

2026

LOAD CELL

GUIDE



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ES-111

Fundamentals of Electronic Systems and Load Cells

January.....	19-23
April.....	20-24
June.....	1-5
August.....	3-7
October.....	19-23
November.....	16-20

ES-301

iRite™ Programming

January.....	12-16
October.....	5-9

RS-111

Retail Scales Training

March.....	2-6
April.....	13-17
July.....	6-10
August 31 - September 4	

ES-222

Advanced Scale System Troubleshooting

February.....	2-6
May.....	4-8
June.....	15-19
August.....	17-21

AW-111

Automatic Wrapper Training

March.....	16-20
May.....	18-22
July.....	20-24
September.....	14-18
November.....	2-6

Online

HB44.....	Handbook 44 Training
SB-111.....	Setpoints and Batching
ES-111.....	Fundamentals of Electronic Systems
ES-222.....	Advanced Scale System Troubleshooting

ES-300

1280 Enterprise™ Indicator Programming

January.....	5-9
September 28 - October 2	

AW-112

Micro Wrapper Training

February.....	10-12
March.....	24-26
June.....	23-25
July.....	28-30

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Table of Contents

Customer Assistance

Interchangeable Products.....	4
Shipping Information.....	10
Shipping Information.....	11
Customer Service Contacts.....	12
Customer Assistance.....	16
Terms and Conditions.....	17
Warranty and Limitation of Liability.....	19
Using Ingress Protection (IP) Ratings.....	23
Weigh Module Application.....	24

Survivor® Weigh Modules

Table of Contents.....	27
SURVIVOR Paramounts® HE.....	28
SURVIVOR RL1700 HE.....	29
SURVIVOR RL1600 HE Series.....	30
SURVIVOR RL1855 HE-HS.....	31
SURVIVOR RL2100 HE.....	32

Rice Lake Weigh Modules

Table of Contents.....	33
ITCM.....	34
ITCM SS.....	35
ITCM HE.....	36
RL50210TA.....	37
65059.....	39
RL50219SS-TA.....	41
Paramounts® EP.....	43
Paramounts® HS.....	45
RLBTM.....	47
RL1800 Series.....	48
RL1800 Series with MLC Coated Load Cell.....	50
RL1900 Series.....	51
RLTM.....	52
RL9000TWM Series.....	53
RL9000TWM-HT.....	56
RL2200 Series.....	57
RL2200SS Series.....	58
RLC.....	59
220 Universal Mount.....	60
EZ Mount 1 with RL72020.....	61
EZ Mount 1 SS with RL72020SS.....	63
EZ Mount 1 with MLC Coated RL72020.....	64
EZ Mount 1 HE.....	65
RL1600 Series with RL77032.....	66
<i>Cast Iron, Weigh Module Kit</i>	
RL1600 Series with RL77032.....	67
<i>Mild Steel, Weigh Module Kit</i>	
RL1600 Series with RL75016SS.....	68

RL1600 SS Series with RL77032SS.....	69
RL1600 Series with MLC Coated RL75016.....	70
RL1600 HE Series with RL77032SS HE.....	71
MVS Mount/MVS.....	72
Translink™ Parallel Link.....	73
Motor Truck Scale.....	74
MagnaMount™.....	75
Mettler Toledo® DigiTOL® Retrofit Kit.....	76
Rice Lake Analog Retrofit Kit.....	78
<i>Stainless Steel, Analog Load Cells for Mettler Toledo PDX Digital Conversion to Analog</i>	
Rice Lake Analog Retrofit Kit.....	79
<i>Stainless Steel, Analog Load Cells for B-Tek Digital Conversion to Analog</i>	
Electronic Floor Scale Underdeck Kits.....	80

Rice Lake Weighing Systems Load Cells

Table of Contents.....	83
S-BEAM	
RL20000I.....	94
RL20000SS.....	95
RL20000ST.....	96
RL20001I.....	97
RL20001HE.....	98
RLETS.....	99
SINGLE-ENDED BEAM	
RL32022.....	100
RL32022-S.....	101
RL32018.....	102
RL32018 MLC Coated.....	103
RL32018S.....	104
RL32018S-P.....	105
RL32018S-HE.....	106
RL32019S-HE.....	107
RL32218S-HE.....	108
RL9018SS.....	109
RL30000I.....	110
RL30002 Thru Hole.....	111
RLH35.....	112
RL39123.....	113
RL32018S-T.....	114
RLHTO.....	115
RLSSB.....	116
RLSB250/RLSB250T.....	117
RL50219SS.....	118
RL50225.....	119
RL50210.....	120
RL40BBS.....	121
RL32011WB-L.....	122
RL32011WB-T.....	123

DOUBLE-ENDED BEAM	
RL72020.....	124
RL72020SS.....	125
RL72020 MLC Coated.....	126
RL72019SS.....	127
RL77032.....	128
RL77032SS.....	129
RL77032SS HE.....	130
RL75016.....	131
RL75016 MLC Coated.....	132
RL75016SS.....	133
RL75016SS-W.....	134
RL75016WHE.....	135
RL75058I for Rice Lake Coil Scale.....	136
RL75058-LP.....	137
RL75058S-LP.....	138
RL75060S.....	139
RL75223.....	140
RLDB50000S.....	141
RL75040.....	142
COMPRESSION CANISTER	
RLCSP1.....	143
RL8C2P1SST.....	144
ROCKER COLUMN	
RL82025.....	145
RL82021.....	146
RLSCA-50K.....	147
RL70510/RL80453.....	148
RL75114-50K.....	149
COMPRESSION DISK	
RL90000.....	150
RLPC3SS.....	151
RLPC4SS-HE.....	152
SINGLE POINT	
RLPC6.....	153
RLPWM15HE.....	154
RLPWM15.....	155
RLPCBC-60.....	156
RL1521A.....	157
RL1010.....	158
RLSP4.....	159
RLPWM16.....	160
RL1042.....	161
RL1040.....	162
RL1140.....	163
RL1380.....	164
RL1385.....	165
RL260FD.....	166
RL26018A.....	167
RL1218A.....	168
RL42018A.....	169

Table of Contents

RLFLS.....	170
PLANAR BEAM	
RLBLP.....	171
TENSION LINK	
RL2010.....	172
MSI Load Pin Sensors.....	173
MSI Load Pin Questionnaire.....	174
MSI Tension Link.....	175
MSI Clamp-On.....	176

VPG® BLH®

Table of Contents.....	179
COMPRESSION CANISTER	
C2P1.....	180
C3P1.....	181
TENSION CANISTER	
T2P1.....	182
T3P1.....	183

VPG® Celtron®

Table of Contents.....	185
S-BEAM	
STC Low-Capacity.....	187
STC.....	188
STC SS.....	189
STC-HSS.....	190
SINGLE-ENDED BEAM	
SQB.....	191
SQB-HSS.....	192
MBB.....	193
SEB.....	194
DSR.....	195
CLB.....	196
SINGLE POINT	
LPS.....	197
LOC Heavy Capacity.....	198
COMPRESSION DISK	
LCD.....	199

Flintec®

Table of Contents.....	201
S-BEAM	
UB1.....	204
UB6.....	205
SINGLE-ENDED BEAM	
SLB.....	206
SB4.....	207
SB5.....	208
BK2.....	209
SB6.....	210
SB14.....	211
ROCKER COLUMN	
RC1.....	212
RC3.....	213

SINGLE POINT

PCB.....	214
PC1.....	215
PC3.....	216
PA3.....	217
PC4.....	218
PC6.....	219
PC7.....	220
PC2.....	221
PLANAR BEAM	
PB.....	222

HBK®

Table of Contents.....	223
SINGLE-ENDED BEAM	
H35.....	224
BBS.....	225
Z6.....	226
ROCKER COLUMN	
C16A.....	227
SINGLE POINT	
SP4M.....	228
PW15.....	229
PW15AH.....	230
PWS.....	231

Interface®

Table of Contents.....	233
COMPRESSION DISK	
1200 Series.....	234
3200 Series.....	235
TENSION/COMPRESSION	
SML.....	236
WMC.....	237
WMC Miniature Sealed.....	238

VPG® Revere

Table of Contents.....	239
S-BEAM	
363.....	243
9363.....	244
BSP.....	245
SINGLE-ENDED BEAM	
5123.....	246
9123.....	247
9523.....	248
ACB.....	249
9102.....	250
5102.....	251
5723.....	252
SHB.....	253
SSB.....	254

DOUBLE-ENDED BEAM

5103.....	255
9103.....	256
5223.....	257
9223.....	258
9803.....	259
9323.....	260
9423.....	261
COMPRESSION CANISTER	
ASC.....	262
RLC.....	263
CP.....	264
CSP.....	265
792.....	266
SINGLE POINT	
462.....	267
HPS.....	268
HPSM.....	269
LOAD CELL	
AX3040.....	270

VPG® Sensortronics®

Table of Contents.....	271
S-BEAM	
60001.....	275
60050.....	276
60063.....	277
SINGLE-ENDED BEAM	
65023A-5297.....	278
65023A-5107-10.....	279
65023A-5507.....	280
65023A.....	281
65023SS.....	282
65023S.....	283
65083.....	284
65083S.....	285
60040.....	286
SINGLE POINT	
60048SS.....	287
60051.....	288
60060.....	289
DOUBLE-ENDED BEAM	
65016.....	290
65016W.....	291
65016WH.....	292
65058A.....	293
65058S.....	294
65061A.....	295
65040A.....	296
65040S.....	297
65040A-1127W.....	298
ROCKER COLUMN	
65114.....	299

VPG® Tedea-Huntleigh®

Table of Contents	301
S-BEAM	
620	305
SINGLE-ENDED BEAM	
3411/3421	306
3510-NTEP	307
3510-OIML	308
355	309
SINGLE POINT	
1022	310
1010/1015	311
1030	312
1042	313
1040	314
1130	315
1140	316
1240	317
1142	318
1260	319
1260S	320
1263	321
1250	322
1320	323
1510	324
240	325
9010	326
9010 Application Definition Form	327
PLANAR BEAM	
380	328
COMPRESSION DISK	
220	329
120	330

Hardware and Accessories

Table of Contents	331
Load Cell Mounting	
Hardware Safety Guidelines	332
Mounting Assembly	
Component Identification	333
Jam Nuts	333
Eye Nuts	334
Clevis Mount Assemblies	334
Coupling Nuts	334
Load Cell Eye Bolts	335
Rod End Ball Joints	336
Connecting Links	336
Load Cell Isolators	337
Threaded Adapters	337

ITCM Hardware Kits	338
Grounding Straps	339
Ball Bearings	339
Load Receiver Plate	339
Load Cups	339
Wire Rope Assemblies	340
Cardinal® Wire Rope Assemblies	340
Custom Wire Ropes	340
Custom Wire Rope Definition Form	341
Spherical Washer Sets	342
Load Cell Spacers	342
Load Button	342
Weldless End Links	342
Load Button Insert Kit	343
Flintec® Adjustable Rubber Foot	343
Bench Scale Feet	343
Surefoot™	343
Polyurethane Rubber Leveling Feet	344
Captured Ball Floor Scale	
Leveling Feet	344
Leveling Mount	345
Leveling Pads	345
Leveling Pad Stems	345
RoughDeck® Scale Base	346
Summit® 3000 Scale Base	346
Floor Scale Base	346
Complete Custom Cable Services	347
EL147, 6 Wire	348
EL147RP Plus, 6 Wire	348
EL147HE, 6 Wire	349
EL147IS, 6 Wire	349
EL146, 4 Wire	350
EL146HE, 4 Wire	350
Fiber-optic Cable	351
EL144 Communications Cable	351
BCD Cable	351
SURVIVOR® EL620HE	352
EL148HE Mettler Toledo®	352
SURVIVOR® Cable Armor	352
Mettler Toledo® Power Cell®	352
Cord Grip Assemblies	353
EL214 Cable Splicing Kit	353
Load Cell Conduit Adapters	353
EL214T Cable Splicing Kit	354
EL215 Cable Splicing Kit	354
Flintec® Load Cell Cable	354
Five-Position Connectors,	
Shell Plugs, Receptacles	355
Seven-Position Connectors,	
Shell Plugs, Receptacles	355
Six-Position Connectors,	
Shell Plugs, Receptacles	355
T-Grip Molding	356
T-Strip Molding	356
Electronic Scale Tickets	357
Mechanical Scale Tickets	358
Printer Dust Covers	358
Printer Cables	359
Static Brushes	360
Ionizing Strips	360
Desiccants	360
Crimper and Lead Seals	360
Ionizing Strip Accessories	360
Industrial Corrosion Inhibitor	360
Static Control Table Mat	
and Floor Mat	361
Static Control Wrist Strap	361
Static Shielding Bags	361
Static-safe Service Kit	361
Rice Lake's Scale Technician Kits	362
Junction Boxes	
Table of Contents	363
JB4SS	364
JB4ES	365
JB4SP and JB4SPT	366
JB4EP and JB4EPT	367
EL204	368
EL504	369
JB8SP	370
JB8SPT	371
EL304A	372
JB1010T	373
JB1010ST	374
Replacement Junction Boxes,	
Boards or Components	375
iQUBE2®	376
iQUBE3	378
EL168	380
TP75 DC	380
UJB3T6 DC	381
TP232	382
Ranger 1	382
Ranger 3	383
Ranger 5	383
Ranger 7	384
Transducer Simulator 4	384

Interchangeable Products

Rice Lake

CUSTOMER
ASSISTANCE

Manufacturer	Model	Manufacturer	Model	Page #
Rice Lake	RL1010	VPD Tedea-Huntleigh	1010/1015 Single Point	page 311
Rice Lake	RL1040	VPD Tedea-Huntleigh	1040 Single Point	page 314
Rice Lake	RL1042	Rice Lake	RLSP4 Single Point	page 159
Rice Lake	RL1042	VPD Tedea-Huntleigh	1042 Single Point	page 313
Rice Lake	RL1140	VPD Tedea-Huntleigh	1140 Single Point	page 316
Rice Lake	RL1218A	VPD Tedea-Huntleigh	1250 Single Point	page 322
Rice Lake	RL1250	Rice Lake	RL1218A Single Point	page 168
Rice Lake	RL1250	VPD Tedea-Huntleigh	1250 Single Point	page 322
Rice Lake	RL1250	VPD Celtron	LOC Single Point Heavy Capacity	page 198
Rice Lake	RL1250	Flintec	PCB Single Point	page 214
Rice Lake	RL1260	Rice Lake	RL26018A Single Point	page 167
Rice Lake	RL1260	VPD Tedea-Huntleigh	1260 Single Point	page 319
Rice Lake	RL1260	VPD Tedea-Huntleigh	1260S Single Point	page 320
Rice Lake	RL1380	HBK	PWS Single Point	page 231
Rice Lake	RL1385	Flintec	PC1 Single Point	page 215
Rice Lake	RL1521A	VPD Tedea-Huntleigh	1022 Single Point	page 310
Rice Lake	RL1521A	VPD Celtron	LPS Single Point	page 197
Rice Lake	RL260FD	VPD Tedea-Huntleigh	240 Single Point	page 325
Rice Lake	RL26018A	Rice Lake	RLPWM16 Single Point	page 160
Rice Lake	RL26018A	VPD Tedea-Huntleigh	1260 Single Point	page 319
Rice Lake	RL20000I	VPD Revere	363 S-beam	page 243
Rice Lake	RL20000I	VPD Celtron	STC Low Capacity S-beam	page 187
Rice Lake	RL20000SS	VPD Revere	9363 S-beam	page 244
Rice Lake	RL20000ST	VPD Revere	9363 S-beam	page 244
Rice Lake	RL20001I	VPD Sensortronics	60001 S-beam	page 275
Rice Lake	RL20001HE	VPD Sensortronics	60063 S-beam	page 277
Rice Lake	RL20001I	VPD Celtron	STC S-beam	page 188
Rice Lake	RL30000I	VPD Tedea-Huntleigh	3411/3421 Single-ended Beam	page 306
Rice Lake	RL30000I	VPD Revere	5123 Single-ended Beam	page 246
Rice Lake	RL30002	VPD Sensortronics	65023A Single-ended Beam	page 281
Rice Lake	RL32018	VPD Sensortronics	65023A Single-ended Beam	page 281
Rice Lake	RL32018	VPD Celtron	SQB Single-ended Beam	page 191
Rice Lake	RL32018S	VPD Sensortronics	65023S Single-ended Beam	page 283
Rice Lake	RL32018S	VPD Sensortronics	65023SS Single-ended Beam	page 282
Rice Lake	RL32018S	VPD Celtron	SQB-HSS Single-ended Beam	page 192
Rice Lake	RL32018S-P	Rice Lake	RL32018S-HE Single-ended Beam	page 106
Rice Lake	RL32018S-P	VPD Sensortronics	65083 Single-ended Beam	page 284
Rice Lake	RL32018S-P	VPD Celtron	SQB-HSS Single-ended Beam	page 192
Rice Lake	RL32018S-HE	VPD Sensortronics	65083 Single-ended Beam	page 284
Rice Lake	RL32018S-HE	VPD Celtron	SQB-HSS Single-ended Beam	page 192
Rice Lake	RL32019S-HE	VPD Sensortronics	65083S Single-ended Beam	page 285
Rice Lake	RL32218S-HE	Rice Lake	RL32019S-HE Single-ended Beam	page 107
Rice Lake	RL32218S-HE	VPD Sensortronics	65083S Single-ended Beam	page 285
Rice Lake	RL35023	VPD Sensortronics	65023A Single-ended Beam	page 281
Rice Lake	RL35023	VPD Celtron	SQB Single-ended Beam	page 191
Rice Lake	RL35023S	Rice Lake	RL32018S Single-ended Beam	page 104
Rice Lake	RL35023S	VPD Sensortronics	65023S Single-ended Beam	page 283
Rice Lake	RL35023S	VPD Sensortronics	65023SS Single-ended Beam	page 282
Rice Lake	RL35023S	VPD Celtron	SQB-HSS Single-ended Beam	page 192
Rice Lake	RL35082	Rice Lake	RL32019S-HE Single-ended Beam	page 107
Rice Lake	RL35082	VPD Sensortronics	65083S Single-ended Beam	page 285
Rice Lake	RL35083	VPD Sensortronics	65083 Single-ended Beam	page 284
Rice Lake	RL39123	VPD Revere	9123 Single-ended Beam	page 247
Rice Lake	RL39523	VPD Revere	9523 Single-ended Beam	page 248
Rice Lake	RL40BBS	HBK	BBS Single-ended Beam	page 225
Rice Lake	RL42018A	Rice Lake	RL1042 Single Point	page 161
Rice Lake	RL42018A	Rice Lake	RLSP4 Single Point	page 159
Rice Lake	RL42018A	VPD Tedea-Huntleigh	1042 Single Point	page 313
Rice Lake	RL42018A	HBK	SP4M Single Point	page 228
Rice Lake	RL50225	Rice Lake	RL50210 Single-ended Beam	page 120

Interchangeable Products

Rice Lake

CUSTOMER
ASSISTANCE

Manufacturer	Model	Manufacturer	Model	Page #
Rice Lake	RL50225	Rice Lake	RL50219SS Single-ended Beam	page 118
Rice Lake	RL50225	VPG Sensortronics	60040 Single-ended Beam	page 286
Rice Lake	RL50210	Rice Lake	RL50219SS Single-ended Beam	page 118
Rice Lake	RL50210	VPG Sensortronics	60040 Single-ended Beam	page 286
Rice Lake	RL60040SST	Rice Lake	RL50219SS Single-ended Beam	page 118
Rice Lake	RL70000	VPG Revere	5103 Double-ended Beam	page 255
Rice Lake	RL70000SS	VPG Revere	9103 Double-ended Beam	page 256
Rice Lake	RL71000HE	VPG Revere	9103 Double-ended Beam	page 256
Rice Lake	RL72019SS	Rice Lake	9103 Double-ended Beam	page 256
Rice Lake	RL72020	VPG Revere	5103 Double-ended Beam	page 255
Rice Lake	RL72020SS	VPG Revere	9103 Double-ended Beam	page 256
Rice Lake	RL75016	Rice Lake	RL77032 Double-ended Beam	page 128
Rice Lake	RL75016	VPG Sensortronics	65016 Double-ended Beam	page 290
Rice Lake	RL75016	VPG Celtron	DSR Double-ended Beam	page 195
Rice Lake	RL75016SS	Rice Lake	RL77032SS Double-ended Beam	page 129
Rice Lake	RL75016SS	Rice Lake	RL75016WHE Double-ended Beam	page 135
Rice Lake	RL75016SS	VPG Sensortronics	65016W Double-ended Beam	page 291
Rice Lake	RL75016SS	VPG Sensortronics	65016WH Double-ended Beam	page 292
Rice Lake	RL75016SS-W	Rice Lake	RL77032SS HE Double-ended Beam	page 130
Rice Lake	RL75016SS-W	Rice Lake	RL75016SS Double-ended Beam	page 133
Rice Lake	RL75016SS-W	Rice Lake	RL75016WHE Double-ended Beam	page 135
Rice Lake	RL75016WHE	VPG Sensortronics	65016WH Double-ended Beam	page 292
Rice Lake	RL75016WHE	Rice Lake	RL77032SS-HE Double-ended Beam	page 130
Rice Lake	RL75040	VPG Sensortronics	65040A Double-ended Beam	page 296
Rice Lake	RL75040	VPG Sensortronics	65040S Double-ended Beam	page 297
Rice Lake	RL75058	VPG Sensortronics	65058A Double-ended Beam	page 293
Rice Lake	RL75058	VPG Celtron	CLB Double-ended Beam	page 196
Rice Lake	RL75058-LP	VPG Sensortronics	65058A Double-ended Beam	page 293
Rice Lake	RL75058-LP	VPG Celtron	CLB Double-ended Beam	page 196
Rice Lake	RL75058S-LP	VPG Sensortronics	65058S Double-ended Beam	page 294
Rice Lake	RL75060S	VPG Sensortronics	65058S Double-ended Beam	page 294
Rice Lake	RL75223	VPG Revere	5223 Double-ended Beam	page 257
Rice Lake	RL75223	VPG Sensortronics	65040A-XX-1127W Double-ended Beam	page 298
Rice Lake	RL77032	VPG Sensortronics	65016 Double-ended Beam	page 290
Rice Lake	RL77032	Rice Lake	RL75016 Double-ended Beam	page 131
Rice Lake	RL77032SS	Rice Lake	RL75016SS Double-ended Beam	page 133
Rice Lake	RL77032SS	Rice Lake	RL77032SS HE Double-ended Beam	page 130
Rice Lake	RL77032SS	Rice Lake	RL75016S-W Double-ended Beam	page 134
Rice Lake	RL77032SS	VPG Sensortronics	65016 Double-ended Beam	page 290
Rice Lake	RL77032SS HE	Rice Lake	RL75016WHE Double-ended Beam	page 135
Rice Lake	RL77032SS HE	VPG Sensortronics	65016WH Double-ended Beam	page 292
Rice Lake	RL8C2P1SST	VPG Revere	792 Compression Canister	page 266
Rice Lake	RL90000	VPG Celtron	LCD Compression Disk	page 199
Rice Lake	RLBLP	Flintec	PB Planar Beam	page 222
Rice Lake	RLCSP1	VPG Revere	CSP Compression Canister	page 265
Rice Lake	RLH35	HBK	H35 Single-ended Beam	page 224
Rice Lake	RLHBB	Rice Lake	RL9018SS Single-ended Beam	page 109
Rice Lake	RLHBB	VPG Tedea-Huntleigh	35S Single-ended Beam	page 309
Rice Lake	RLHBB	VPG Revere	SHB Single-ended Beam	page 253
Rice Lake	RLHTO	VPG Tedea-Huntleigh	3510-OIML Single-ended Beam	page 308
Rice Lake	RLPC3SS	Rice Lake	RL1380 Single Point	page 164
Rice Lake	RLPC3SS	Flintec	PC3 Single Point	page 216
Rice Lake	RLPC3SS	HBK	PWS Single Point	page 231
Rice Lake	RLPC4SS-HE	Flintec	PC4 Single Point	page 218
Rice Lake	RLPC4SS-HE	HBK	PW15AH Single Point	page 230
Rice Lake	RLPC6	Flintec	PC6 Single Point	page 219
Rice Lake	RLPWM12	VPG Tedea-Huntleigh	1250 Single Point	page 322
Rice Lake	RLPWM12	VPG Celtron	LOC Single Point Heavy Capacity	page 198
Rice Lake	RLPWM15HE	HBK	PW15AH Single Point	page 230
Rice Lake	RLPWM15	HBK	PW15AH Single Point	page 230

Interchangeable Products

Rice Lake

CUSTOMER
ASSISTANCE

Manufacturer	Model	Manufacturer	Model	Page #
Rice Lake	RLPWM15	VPG Tedeo-Huntleigh	1142 Single Point	page 318
Rice Lake	RLPWM16	VPG Tedeo-Huntleigh	1260 Single Point	page 319
Rice Lake	RLSP4	HBK	SP4M Single Point	page 228
Rice Lake	RLSSB	VPG Revere	SSB Single-ended Beam	page 254

National Brands

Manufacturer	Model	Manufacturer	Model	Page #
Artech	20210	Rice Lake	RL20000I S-beam	page 94
Artech	30210	Rice Lake	RL30002 Thru Hole Single-ended Beam	page 111
Artech	30310	Rice Lake	RL30000I Single-ended Beam	page 110
Artech	30310	VPG Revere	5123 Single-ended Beam	page 246
Artech	30410	VPG Revere	5723 Link Beam	page 252
Artech	50210	Rice Lake	RL50219SS Single-ended Beam	page 118
Artech	50210	Rice Lake	RL50210 Single-ended Beam	page 120
Artech	50210	VPG Sensortronics	60040 Single-ended Beam	page 286
Artech	61022	Rice Lake	RL1521A Single Point	page 157
Artech	80210	Rice Lake	RL75223 Double-ended Beam	page 140
Artech	80210	VPG Sensortronics	65040A-1127W Double-ended Beam	page 298
Artech	80310	Rice Lake	RL75040 Double-ended Beam	page 142
Artech	90210	VPG Revere	CP Compression Canister	page 264
Artech	90310	VPG Revere	CSP Compression Canister	page 265
Artech	90405	VPG Revere	792 Compression Canister	page 266
Artech	SS20210	Rice Lake	RL20000SS S-beam	page 95
Artech	SS30310	Rice Lake	RL39123 Single-ended Beam	page 113
Artech	SS30610	Rice Lake	RLSSB Single-ended Beam	page 116
Cardinal	CP1	VPG Revere	CP Compression Canister	page 264
Cardinal	DB50000S	Rice Lake	RLDB50000S Double-ended Beam	page 141
Cardinal	SB2500	Rice Lake	RLSB250/RLSB250T Single-ended Beam	page 117
Cardinal	SCA-50K	Rice Lake	RLSCA-50 Rocker Column	page 147
Fairbanks	63951	VPG Sensortronics	65114 Rocker Column	page 299
Fairbanks	3-38054-X	VPG BLH	C3P1 Compression Canister	page 181
Fairbanks	3-38065-X, 3-38066-X	VPG BLH	C2P1 Compression Canister	page 180
Fairbanks	3-39897-X, 3-40766-X	VPG BLH	T3P1 Tension Canister	page 183
Fairbanks	3-481XX-1, 3-486XX-1	Rice Lake	RL40BBS Single-ended Beam	page 121
Fairbanks	3-481XX-1, 3-486XX-1	HBK	BBS Single-ended Beam	page 225
Fairbanks	3-48660-1	Rice Lake	RL40BBS Single-ended Beam	page 121
Fairbanks	3-53581-X, 3-52921-1	HBK	PW15 Single Point	page 229
Fairbanks	4900 Series Checkweighers	Rice Lake	RL1521A Single Point	page 157
Fairbanks	65023A-XX-5164	VPG Sensortronics	65023A-5297 Single-ended Beam	page 278
Fairbanks	657090, 657091	VPG BLH	T2P1 Tension Canister	page 182
Fairbanks	LCF-HR4020-1	Flintec	RC1 Rocker Column	page 212
Fairbanks	LCF-HR4020-2	Rice Lake	RL75114-50K Rocker Column	page 149
Fairbanks	LCFHR4020-21	Rice Lake	RL80453 100,000 lb	page 148
Fairbanks	LCF-HR4020-2A	Rice Lake	RL70510-30T	page 148
Fairbanks	LCF-HR4020-2A	Flintec	RC3 Rocker Cell	page 213
Fairbanks	LCF-HR4050-3	Flintec	SLB Single-ended Beam	page 206
Fairbanks	Rodan 90814-40K	VPG Sensortronics	65061A Double-ended Beam	page 295
Fairbanks	Rodan 91088-50K	VPG Sensortronics	65061A Double-ended Beam	page 295
HBK	B35	Rice Lake	RL39123 Single-ended Beam	page 113
HBK	B35	VPG Revere	9123 Single-ended Beam	page 247
HBK	BBS	Rice Lake	RL40BBS Single-ended Beam	page 121
HBK	C10	VPG BLH	C2P1 Compression Canister	page 180
HBK	H35	Rice Lake	RLH35 Single-ended Beam	page 112
HBK	PW12	Rice Lake	RLPWM12 Single Point	

Interchangeable Products

National Brands

CUSTOMER
ASSISTANCE

Manufacturer	Model	Manufacturer	Model	Page #
HBK	PW12	VPG Tedeo-Huntleigh	1250 Single Point	page 322
HBK	PW12	VPG Celtron	LOC Single Point Heavy Capacity	page 198
HBK	PW15	Rice Lake	RLPW15 Single Point	page 155
HBK	PW15	VPG Tedeo-Huntleigh	1142 Single Point	page 318
HBK	PW15AH	Rice Lake	RLPWM15HE Single Point	page 154
HBK	PW15AH	Flintec	PC4 Single Point	page 218
HBK	PW16	Rice Lake	RLPWM16 Single Point	page 160
HBK	PW16	VPG Tedeo-Huntleigh	1260 Single Point	page 319
HBK	PWS	Rice Lake	RL1380 Single Point	page 164
HBK	SB3	Rice Lake	RLSSB Single-ended Beam	page 116
HBK	SB3	VPG Revere	SSB Single-ended Beam	page 254
HBK	SP4	Rice Lake	RL42018A Single Point	page 169
HBK	SP4	Rice Lake	RLSP4 Single Point	page 159
HBK	SP4M	Rice Lake	RLSP4 Single Point	page 159
HBK	SP4M	VPG Tedeo-Huntleigh	1042 Single Point	page 313
HBK	SS4	HBK	H35 Single-ended Beam	page 224
HBK	Z6	Rice Lake	RL9018SS Single-ended Beam	page 109
HBK	Z6	VPG Revere	SHB Single-ended Beam	page 253
Flintec	PB	Rice Lake	RLBLP Planar Beam	page 171
Flintec	PC1	Rice Lake	RL1385 Single Point	page 165
Flintec	PC3	Rice Lake	RL1380 Single Point	page 164
Flintec	PC3	HBK	PWS Single Point	page 231
Flintec	PC4	Rice Lake	RLPWM15HE Single Point	page 154
Flintec	PC4	HBK	PW15AH Single Point	page 230
Flintec	PC42	Rice Lake	RL1042 Single Point	page 161
Flintec	PC6	Rice Lake	RLPC6 Single Point	page 153
Flintec	PC7	VPG Tedeo-Huntleigh	1510 Single Point	page 324
Flintec	PCB	VPG Tedeo-Huntleigh	1250 Single Point	page 322
Howe Richardson	20908XXX	VPG Revere	CP Compression Canister	page 264
Howe Richardson	244699-000X	Rice Lake	RLCSP1 Compression Canister	page 143
Howe Richardson	244699-000X	VPG Revere	CSP Compression Canister	page 265
Interface	MB	VPG Celtron	LPS Single Point	page 197
Interface	MB	VPG Celtron	MBB Single-ended Beam	page 193
Mettler Toledo	10011900A, 10049300A	VPG BLH	C2P1 Compression Canister	page 180
Mettler Toledo	1004400A, KN713700	VPG BLH	C3P1 Compression Canister	page 181
Mettler Toledo	10048X00A, KN75066	VPG BLH	T3P1 Tension Canister	page 183
Mettler Toledo	10049200A, 10014900A	VPG BLH	C2P1 Compression Canister	page 180
Mettler Toledo	KB200570, 10049100A	VPG BLH	C3P1 Compression Canister	page 181
Mettler Toledo	TB600342-2,500 lb	Rice Lake	RL32018S-T Single-ended Beam	page 114
Mettler Toledo	TB600343-5,000 lb	Rice Lake	RL32018S-T Single-ended Beam	page 114
Mettler Toledo	TB600363-1,250 lb	Rice Lake	RL32018S-T Single-ended Beam	page 114
Mettler Toledo	TB600364-10,000 lb	Rice Lake	RL32018S-T Single-ended Beam	page 114
Mettler Toledo	TB600529-500 lb	Rice Lake	RL32018S-T Single-ended Beam	page 114
Mettler Toledo	TB601016-020 (1,000 lb, 4,000 lb)	Rice Lake	RLH35 Single-ended Beam	page 112
Mettler Toledo	TB601019-008 (500 lb, 2,500 lb, 5,000 lb)	Rice Lake	RLH35 Single-ended Beam	page 112
Mettler Toledo	TB601019-008 (500 lb, 2,500 lb, 5,000 lb)	HBK	H35 Single-ended Beam	page 224
NCI	Mark III	VPG Scentroidronics	60051 Single Point	page 288
NCI	Mark IX	VPG Scentroidronics	60051 Single Point	page 288
NCI/Weigh-Tronix	Mark V	VPG Scentroidronics	60048SS Single Point	page 287
NMB	C2G1	VPG Tedeo-Huntleigh	1022 Single Point	page 310
NMB	C2G1	VPG Celtron	LPS Single Point	page 197
NV Technology	BLC-1-N-WP	VPG Revere	9323 Double-ended Beam	page 260
NV Technology	BLC-1-N	VPG Revere	9423 Double-ended Beam	page 261
NV Technology	BLC-2-XX-N	VPG Revere	9803 Double-ended Beam	page 259
Pennsylvania	65023A-XX-5141	VPG Scentroidronics	65023A-5107-10 Single-ended Beam	page 279
Streeter Amet	3753070, 3752030, 3752040, 3751940	VPG Revere	CP Compression Canister	page 264

Interchangeable Products

National Brands

CUSTOMER
ASSISTANCE

Manufacturer	Model	Manufacturer	Model	Page #
Streeter Amet	3760XXXX	VPG Revere	CSP Compression Canister	page 265
Streeter Amet	3760SSS	Rice Lake	RLCSP1 Compression Canister	page 143
Streeter Richardson	2011611, 2011612	VPG BLH	C2P1 Compression Canister	page 180
Streeter Richardson	2011613, 2011614, 201617	VPG BLH	C2P1 Compression Canister	page 180
Streeter Richardson	2011613, 2011614, 201617	VPG BLH	C2P1 Compression Canister	page 180
Streeter Richardson	2011711, 2011712	VPG BLH	T2P1 Tension Canister	page 182
Streeter Richardson	20117XX	VPG BLH	T3P1 Tension Canister	page 183
Thurman	10088970A-50K	VPG Revere	9803 Double-ended Beam	page 259
Thurman	TSC 800	Rice Lake	RL75223 Double-ended Beam	page 140
Thurman	TSC 800	VPG Revere	5223 Double-ended Beam	page 257
Thurman	TSC 800	VPG Sensortronics	65040A-1127W Double-ended Beam	page 298
Thurman	TSC 840	VPG Sensortronics	65040A Double-ended Beam	page 296
Thurman	TSC 840 DL90000	Rice Lake	RL75040 Double-ended Beam	page 142
Unibridge	C2G1	Rice Lake	RL75223 Double-ended Beam	page 140
Unibridge	CBU	Rice Lake	RL75223 Double-ended Beam	page 140
VPG BLH	C2G1	Rice Lake	RL1521A Single Point	page 157
VPG BLH	C2G1	VPG Tedea-Huntleigh	1022 Single Point	page 310
VPG BLH	C2G1	VPG Celtron	LPS Single Point	page 197
VPG BLH	LBG1	HBK	BBS Single-ended Beam	page 225
VPG Celtron	CLB	Rice Lake	RL77032 Double-ended Beam	page 128
VPG Celtron	CLB	VPG Sensortronics	65058A Double-ended Beam	page 293
VPG Celtron	DLB	Rice Lake	RL75058-LP Double-ended Beam	page 137
VPG Celtron	DLB	VPG Sensortronics	65040A Double-ended Beam	page 296
VPG Celtron	DSR	Rice Lake	RL77032 Double-ended Beam	page 128
VPG Celtron	DSR	VPG Sensortronics	65016 Double-ended Beam	page 290
VPG Celtron	DSR-HSS	Rice Lake	RL77032SS-HE Double-ended Beam	page 130
VPG Celtron	DSR-HSS	VPG Sensortronics	65016W Double-ended Beam	page 291
VPG Celtron	HBB	VPG Tedea-Huntleigh	355 Single-ended Beam	page 309
VPG Celtron	HBB	VPG Revere	SHB Single-ended Beam	page 253
VPG Celtron	HBB	HBK	Z6 Single-ended Beam	page 226
VPG Celtron	HOC	VPG Tedea-Huntleigh	1320 Single Point	page 323
VPG Celtron	LCD	Rice Lake	RL90000 Compression Disk	page 150
VPG Celtron	LOC	Rice Lake	RL1040 Single Point	page 162
VPG Celtron	LOC	Rice Lake	RL42018A Single Point	page 169
VPG Celtron	LOC	VPG Tedea-Huntleigh	1040 Single Point	page 314
VPG Celtron	LOC	VPG Tedea-Huntleigh	1250 Single Point	page 322
VPG Celtron	LOC	Flintec	PCB Single Point	page 214
VPG Celtron	LPS	Rice Lake	RL1521A Single Point	page 157
VPG Celtron	LPS	VPG Tedea-Huntleigh	1022 Single Point	page 310
VPG Celtron	SQB	Rice Lake	RL32018 Single-ended Beam	page 102
VPG Celtron	SQB	VPG Sensortronics	65023A Single-ended Beam	page 281
VPG Celtron	SQB-HSS	VPG Tedea-Huntleigh	3510-NTEP Single-ended Beam	page 307
VPG Celtron	SQB-HSS	VPG Sensortronics	65083 Single-ended Beam	page 284
VPG Celtron	STC	VPG Sensortronics	60001 S-beam	page 275
VPG Celtron	STC	VPG Celtron	LPS Single Point	page 197
VPG Celtron	STC-SS	VPG Sensortronics	60050 S-beam	page 276
VPG Revere	792	Rice Lake	RLCSP1 Compression Canister	page 143
VPG Revere	5102	VPG Revere	9102 Single-ended Beam	page 250
VPG Revere	5123	Rice Lake	RL32018 Single-ended Beam	page 102
VPG Revere	5123	VPG Tedea-Huntleigh	3411/3421 Single-ended Beam	page 306
VPG Revere	5203	Rice Lake	RL75016 Double-ended Beam	page 131
VPG Revere	5203	Rice Lake	RL77032 Double-ended Beam	page 128
VPG Revere	5203	VPG Sensortronics	65016 Double-ended Beam	page 290
VPG Revere	5203	VPG Celtron	DSR Double-ended Beam	page 195
VPG Revere	5223	VPG Sensortronics	65040A-1127W Double-ended Beam	page 298
VPG Revere	5503	Rice Lake	RL50210 Single-ended Beam	page 120
VPG Revere	5503	VPG Sensortronics	60040 Single-ended Beam	page 286
VPG Revere	9102	VPG Revere	5102 Single-ended Beam	page 251

Interchangeable Products

National Brands

CUSTOMER
ASSISTANCE

Manufacturer	Model	Manufacturer	Model	Page #
VPG Revere	9123	Rice Lake	RL32018S Single-ended Beam	page 104
VPG Revere	9123	VPG Tedea-Huntleigh	3411/3421 Single-ended Beam	page 306
VPG Revere	9203	Rice Lake	RL77032SS Double-ended Beam	page 129
VPG Revere	9363	Rice Lake	RL20000SS S-beam	page 95
VPG Revere	392B	VPG Revere	CP Compression Canister	page 264
VPG Revere	692B	Rice Lake	RLCSP1 Compression Canister	page 143
VPG Revere	692B	VPG Revere	CSP Compression Canister	page 265
VPG Revere	CBU	VPG Celtron	MBB Single-ended Beam	page 193
VPG Revere	CSP	Rice Lake	RLCSP1 Compression Canister	page 143
VPG Revere	SHB	VPG Tedea-Huntleigh	355 Single-ended Beam	page 309
VPG Revere	SSB	Rice Lake	RLSSB Single-ended Beam	page 116
VPG Scentroidronics	60001	Rice Lake	RL200001I S-beam	page 97
VPG Scentroidronics	60001	VPG Celtron	STC S-beam	page 188
VPG Scentroidronics	60007	Rice Lake	RL40BBS Single-ended Beam	page 121
VPG Scentroidronics	60040	Rice Lake	RL50210 Single-ended Beam	page 120
VPG Scentroidronics	60050	VPG Celtron	STC SS S-beam	page 189
VPG Scentroidronics	60063	Rice Lake	RL20001HE S-beam	page 98
VPG Scentroidronics	65007	VPG Celtron	MBB Single-ended Beam	page 193
VPG Scentroidronics	65016	Rice Lake	RL77032 Double-ended Beam	page 128
VPG Scentroidronics	65016	VPG Celtron	DSR Double-ended Beam	page 195
VPG Scentroidronics	65058	Rice Lake	RL75058-LP Double-ended Beam	page 137
VPG Scentroidronics	65058	VPG Celtron	CLB Double-ended Beam	page 196
VPG Scentroidronics	65083	VPG Tedea-Huntleigh	3510-NTEP Single-ended Beam	page 307
VPG Scentroidronics	65016W	VPG Scentroidronics	65016WH Double-ended Beam	page 292
VPG Scentroidronics	65016W	Rice Lake	RL77032SS Double-ended Beam	page 129
VPG Scentroidronics	65016WH	Rice Lake	RL77032SS-HE Double-ended Beam	page 130
VPG Scentroidronics	65023A	Rice Lake	RL32018	page 102
VPG Scentroidronics	65023A	VPG Celtron	SQB Single-ended Beam	page 191
VPG Scentroidronics	65023S	Rice Lake	RL32018S Single-ended Beam	page 104
VPG Scentroidronics	65023S	VPG Scentroidronics	65023SS Single-ended Beam	page 282
VPG Scentroidronics	65023S	VPG Celtron	SQB-HSS Single-ended Beam	page 192
VPG Scentroidronics	65023SS	Rice Lake	RL32018S Single-ended Beam	page 104
VPG Scentroidronics	65023SS	VPG Scentroidronics	65023S Single-ended Beam	page 283
VPG Scentroidronics	65023SS	VPG Celtron	SQB-HSS Single-ended Beam	page 192
VPG Scentroidronics	65040A	Rice Lake	RL75040 Double-ended Beam	page 142
VPG Scentroidronics	65040A	VPG Scentroidronics	65040S Double-ended Beam	page 297
VPG Scentroidronics	65040A-XX-1127W	Rice Lake	RL75223 Double-ended Beam	page 140
VPG Scentroidronics	65058S	Rice Lake	RL75058-LP Double-ended Beam	page 137
VPG Scentroidronics	65088-1000	Rice Lake	RLCSP1 Compression Canister	page 143
Weigh-Tronix	MK29	VPG Tedea-Huntleigh	1130 Single Point	page 315

Shipping Information

FREIGHT SERVICES OFFERED	"SMALL PACK"	LTL	TRUCKLOAD
Nationwide Same-day Service	Y* ***	Y*	N
Next Day (a.m.)	Y**	Y**	Y**
Next Day (END OF DAY)	Y	Y**	Y**
2-day	Y	Y	Y
3-day	Y	Y	Y
Ground	Y	Y	Y
Canada	Y	Y	Y
Mexico	Y	Y	Y
Express Freight (Air-over 150 lb)***	Y	Y	N
International (Sea)	Y	Y	Y
International (Air)	Y	Y	N

* Subject to cost/distance

** Subject to distance

*** Subject to flight availability and proximity of nearest airport

Same-day Services

These services do not carry the same service guarantees that standard delivery schedules do and are subject to availability.

Small Parcel Services

We ship with internationally recognized parcel carriers based on delivery time and services offered.

Determining Dimensional Weight for Small Parcel Shipments for Air and Ground

When shipping via air services, carriers require the shipping weight be determined by the greater of the boxed product's actual weight or its dimensional shipping weight. The formula for calculating dimensional shipping weight is as follows:

Domestic shipments via ground or air: $L \times W \times H / 139$.

International air shipments: $L \times W \times H / 139$.

Please note: Rice Lake Weighing Systems takes the added precaution of double-boxing some of our electronic products and balances. This may result in higher dimensional weight charges by the carrier. Even with this added precaution, we suggest you always ship high precision and fragile products via air services to reduce excessive handling.

Less than Truckload (LTL)

Full service LTL coverage for the continental United States, Puerto Rico, Canada and Mexico.

Note: A standard LTL delivery is considered to be one that ships from either a company or partner dock to arrival at a standard commercial address with disposition of the goods at the rear of the truck. This enables offloading by material handling equipment provided by the consignee at either ground level or via loading dock. The freight in question should be palletized and secured in a way to facilitate the safe handling of the freight with no one dimension over six feet.

Any LTL delivery falling outside of this criteria may accrue accessorial charges levied by the carrier in line with their tariff rules. It is recommended that any potential accessorial costs are discussed at the time of order placement so these costs can be billed appropriately at the time of shipment. If this is not the case, Rice Lake reserves the right to charge the customer retrospectively for any accessorial costs incurred during the delivery process.

Accessorial charges include, but are not limited to the following:

Lift gate, call for appointment and guaranteed delivery: Day and by 10:30 a.m. (where available). Excessive length, inside delivery.

Note: Cross the first threshold only for high-cost delivery areas such as government sites and mines, re-delivery, re-consignment, residential and restricted access shipments. All prices are available on request.

Full Truckload

Various truckload providers give us the ability to ship to the contiguous United States, Alaska, Canada and Mexico.

Forwarders (International Freight)

We can provide service through a forwarder of our choice, or select one of your preferred forwarders.

Air freight: All of our forwarders are internationally recognized brands.

Ocean freight: All of our forwarders are internationally recognized brands.

Rice Lake Weighing Systems Freight Claims Procedure

Incidents can happen anytime between a package's departure from Rice Lake's loading dock and the time you receive it. For that reason, we are asking you to follow the procedures below when receiving a shipment.

The Bill of Lading (BOL) or Delivery Receipt (D/R) is the only record of the product's condition when it arrives at your site. If you do not inspect a shipment before signing, you are essentially waiving the right to collect on a damage claim regardless of whether the damage is visible or concealed. Your signature on a delivering carrier's BOL or D/R constitutes acceptance of the merchandise "as is." This proof is essential in filing a claim and holding the responsible parties accountable for items damaged or missing while in transit. Remember, once you sign, the goods and responsibility are yours.

Receiving a Shipment

- Check immediately for possible damage during shipment. Inspect, examine and inventory your delivery as it is unloaded.
- Open cartons and containers. Any suspicion of damage or shortage must be noted on the BOL or D/R. This information must include the item, discrepancy and condition of the item in question. If this is NOT noted, the liability to prove the damage was done by the delivering carrier is your responsibility.
- The driver cannot leave your receiving dock until the BOL or D/R is signed, regardless if they are behind schedule or not. Do not be intimidated by the driver.

Damaged Shipment

- Discovered damage: If the box, crate or merchandise is visibly damaged beyond what you would consider to be normal shipping wear and tear, refuse the delivery and request a Return Authorization Number from the driver in order for the shipment to be sent back to its origin at no charge.
- Concealed damage: Immediately document and photograph the damage and packaging. Keep all crating and packaging material with the damaged item(s) for inspection by the company's claim inspector until told to either return or dispose of the item(s). The item(s) should be moved minimally—only to an area where it can be inspected by the carrier or their agent.
- Keep a second copy of the BOL or D/R noting the damage and the driver's signature.
- Call your Rice Lake customer service representative to report the shortage and/or damage. Ideally, the call should be made before the driver leaves the site.

At this point, a claim for concealed damage will be started and an inspection will be requested. The inspector will determine if the damage was possibly caused by the carrier. A report and claim must be filed with the carrier within seven days after delivery. The sooner concealed damage is discovered and reported, the better.

Small Parcel Shipments

In general, it is the policy of small parcel carriers to not deliver damaged packages but rather take them back to the distribution center for evaluation. However, that does not always happen. Occasionally if the package is deemed to be ok, it will be re-taped and delivered to the consignee. If damage is noticed while still at the distribution center, a notation should have been entered into the system.

If you do receive a package that appears to be damaged, you can either refuse as damaged or accept the damaged package and report the damage immediately to your Rice Lake customer service representative with the tracking number. They will, in turn, contact the relevant team member from their support group, so the claims process can be started. **Note: Drivers do not normally note the package was damaged until it is brought back to the distribution center. A clerk will note damage at that point.**

Questions

If you have any questions about shipping or potential damages to your shipment, contact us at 800-472-6703 and a member of our sales and logistics team will assist you.

Customer Service Contacts

CUSTOMER ASSISTANCE

At Rice Lake Weighing Systems, we strive to give you the best customer service in the industry. You can depend on our knowledgeable staff to deliver decisive, courteous assistance when you need it most.

Customer Service Representative Hours (United States Central Standard Time):
Monday through Friday 6:30 a.m. to 6:30 p.m.; Saturday 8:00 a.m. to noon

United States and Canada Field Sales



Jim O'Brien
Northeast Region
715-736-6487



Jon Spencer
Northwest Region
715-434-5370



Tim DeDoncker
Allegheny Region
715-736-6436



Erik Gorski
Great Lakes East
715-736-6482



Tim Campbell
Great Lakes West
715-434-5067



Monte Martinson
Upper Midwest Region
715-736-6466



Jim Gruchalla
Lower Midwest Region
715-434-5084



Gabriel Ruberti
Southeast Region
715-434-5157



Dino Valverde
Mid-Southeast Region
715-434-5069



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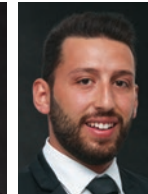
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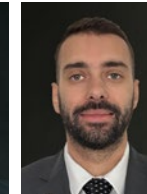
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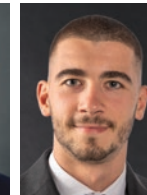
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+917 50 4570896

Middle East/Africa/Asia Field Sales

Customer Service Contacts

CUSTOMER
ASSISTANCE

Customer Relations



Mark O. Johnson
Chairman



Mark Johnson, Jr.
President



Steve Parkman
Chief Operating Officer



Tom Kowalski
Chief Information Officer



Steve Hersman
Vice President of Global Sales



Dominic Hodkiewicz
Vice President of Manufacturing



Patrick Ranfranz
Vice President of Global Marketing



Glenn Zalusky
Vice President Strategic Business



Tim Donahue
Vice President of Engineering and Innovation



Jon Nelson
Director of Product Management



Guru Ganesh
Managing Director, India



Walter Hendriks
Managing Director, Master Brand, Europe



Massimo Corradini
General Manager Engineering/Manufacturing Modena, Italy



Enrico Tosi
General Manager Business/HR/Finance Modena, Italy



Kris Lagace
Director of Logistics



Jim Norvid
Director of Mechanical Engineering



Brandi Harder
Quality Manager



Sam Bower
Training Coordinator



Greg Stager
Technical Training Specialist

Inside Sales



Deanna Stanley
Inside Sales Manager



Keven Jensen
Warranty Coordinator



Melissa Hatlan



Sonya Hegle



Owen Korpela



Stacie Lashmett-Stoeberl



Jason Mathews



Gene Marquardt



Shannon Paul



Matt Piazza



Jamie Springer



John Tennant



Casey Sutherland



Lynnette Thompson



Kally Wagner

Customer Service Contacts

CUSTOMER ASSISTANCE

Sales Engineers



Tommy Guest
Director of
Customer Support



Sam Brower



John Eisele



Doug Hagie



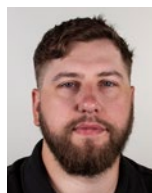
Sharon Miller



Efrain Molinari
Habla Español



Preston Reed



Jacob Smith



Marvin Stodola

Health Sales



Staci Wiesner



Nick Marck

Heavy Capacity Sales



Karen Hansen



Stacie Lashmett-Stoeberl



Tony Zillmer

International



Jennifer Krahenbuhl



Gloria Miranda
Habla Español



Bobbie Stiver
Habla Español
Parle Français



Jon Thurs

MSI Overhead Weighing



Phil Gray



Bob Davis



Rob Upright



Patrick Hillman



Sue Radowick



David Garcia



Casey Sutherland

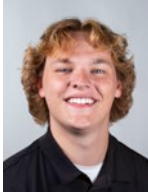
Customer Service Contacts

CUSTOMER
ASSISTANCE

Technical Support



Tommy Guest
Director of
Customer Support



Kolbjorn Ahlberg



Brent Craine



David Dietz



Alan Dobrowolski



Kegan Folds



Jason Gilbertson



Zach Holmstrom



Isaac Holt



Pete Jacobs



Destin Lake



Torey Nelson



Seth Poulter



Scott Ross



Joel Thompson



Mark Ware



Clint Cushing
Retail



Don O'Connell
Retail



Chris Olson
Retail

Repair Department



Phil Stoeberl
Electronic Assembly
Repair Manager



Randeel Bauch



Matthew Daniels



Chad Dobrowolski



Morgan Frisinger



Diane Gagner



Hannah Ince



Tonya Krahenbuhl



Susan Ludwikowski



Tracy Lavalieri



Lisa Maciosek

Financial Services



Wendy Boese
Financial Services
Supervisor



Claire Colbert



Nicole Dostal



Melissa Olson



Mackenzie Lord



Leanne Madsen



Brianna Nelson



Braxton Seemann

Customer Assistance

Product Support

Rice Lake Weighing Systems strives to provide you with the most current and accurate information in our Load Cell Guide. Manufacturers occasionally change specifications or prices after the publication is printed, which is beyond our control. Please consult our sales staff or our website at www.ricelake.com for the most current information.

Returns

Our commitment to our distributors states that if any standard product purchased from Rice Lake Weighing Systems does not work, or if the incorrect product is shipped, return it in its original shipping container with all accessories for full credit or replacement within 30 days of purchase. Always inspect the product upon receipt.

Please note that if the incorrect amount of product was shipped, Rice Lake Weighing Systems must be contacted within 30 days of the purchase. Upon notification, we will immediately correct the situation.

We may, at our option, assess a restocking charge if the equipment was incorrectly specified for the application intended, and/or damaged beyond reasonable repair. The restocking charge is directly proportional to the amount of time and material required to return the item to resalable condition—we will make every effort to do this quickly and economically. Equipment that has been abused and/or shows signs of excessive wear, and cannot be reconditioned and resold, will not be accepted for return.

As Applied to Drop Shipments

All Rice Lake Weighing Systems return guidelines apply to products drop-shipped to your end-user customer. If a perceived error occurs, Rice Lake Weighing Systems will investigate to the best of our ability to determine if the error occurred prior to shipping, during shipping or at the end-user site. If our records and subsequent investigation indicate that the shipment was correct when it left our factory, our responsibility extends only to the distributor, not their end-user. Our standard product warranty notes that our coverage extends only to equipment and systems properly installed by a distributor.

Trademark Recognition

The following product names, logos, brands and other trademarks featured or referred to within this publication are the property of their respective trademark holders.

DigiTol®	Revere Technologies®
Flintec®	Fairbanks Scales®
Artech®	Weigh-Tronix®
VPG® BLH®	Avery Weigh-Tronix®
VPG® Celtron®	Thurman®
VPG® Revere	Unibridge®
VPG® Sensortronics®	Howe Richardson®
VPG® Tedeo-Huntleigh®	Streeter Amet®
HBK®	NMB®
Mettler Toledo®	Streeter Richardson®
Toledo™	Interface®
NCI™	NV Technology®
Howe™	Pennsylvania®
PreVent™	Power Cell®
Cardinal®	Hecon®
Masstron®	

The terms “buyer,” “authorized reseller,” and “customer” as used herein, shall mean the party placing the purchase order with Rice Lake Weighing Systems. No contractual relationship between Rice Lake Weighing Systems and said party shall arise until such time as a purchase order has been accepted by Rice Lake Weighing Systems and such acceptance has been indicated on a written acknowledgment. Orders shall be subject to Rice Lake Weighing Systems’ standard terms and conditions as printed below, subject to correction for clerical errors.

Any conditions stipulated by the buyer which are in contradiction to these sales terms and conditions shall only be valid if expressly acknowledged by Rice Lake Weighing Systems in writing.

1. Prices

(a) Rice Lake Weighing Systems (Rice Lake) prices are net 30 days Ex Works Rice Lake plants. Orders are subject to approval of our credit department with rights reserved to change or withdraw credit terms without notice and to terminate any orders when invoices for work done thereon have gone unpaid for 60 days.

(b) Prices do not include taxes of any kind by federal, state, municipality or other governmental authority, which Rice Lake may be required to collect or pay with respect to the sale or shipment of goods sold hereunder. Regardless of when any such taxes are determined or become payable, all taxes would be the responsibility of the customer and would be in addition to the prices quoted hereon.

(c) This quotation is made upon the basis of the cost of materials and labor as of the date of this quotation. A change in such costs shall give Rice Lake the right to alter prices to reflect such changes in cost.

(d) Requests for additional documentation, drawings, audits of factories or inspection of equipment in-process, additional testing, additional inspections and record retention will be quoted as a separate item even if we have already issued quotations for products and services.

2. Shipment, Title, Risk of Loss

(a) All shipments are Ex Works point of shipment. Title and risk of loss or damage passes to the customer upon presentation of the goods to the customer’s carrier at Rice Lake’s facility.

3. Quantity, Materials and Tolerances

(a) Rice Lake assumes no responsibility for loss or damage occurring by reason of delay or inability to deliver caused by fires, strikes, accidents, embargoes, car shortages, delays of carriers, insurrection, riots, acts of the civil or military authorities, nor will we assume responsibility for any reason whatever for damages of any kind on account of failure to deliver at the time specified. The customer shall indemnify and hold Rice Lake harmless from all direct and consequential costs and damages resulting from such loss or delay.

4. Weight Calibration Services

The uncertainty of measurement is included in the decision rule in determining pass/fail criteria of the Maximum Permissible Error (MPE).

5. Patents

If this quotation covers parts made specifically for the customer, the customer agrees to indemnify and hold Rice Lake harmless against any loss resulting from infringement of patents or trademarks, or from claims of such infringements and shall pay all legal and defense costs incurred by Rice Lake in the defense of such actions.

6. Software

Unless specifically otherwise stated, any and all software associated or part of any product sold, loaned on trial or demonstration to the customer is to be considered proprietary to Rice Lake. The customer agrees not to duplicate for distribution or to sell or distribute in any way without the prior written consent of Rice Lake.

7. Changes and Cancellation: Rejection, Claims

(a) Orders placed with Rice Lake are not subject to cancellation, change or reduction in amount or suspension of deliveries except with Rice Lake’s consent and upon terms that indemnify Rice Lake against loss. Unless confirmed in writing, all verbal agreements are void.

(b) Rice Lake will not be responsible for changes in design, deliveries or other instructions, unless they are furnished in writing. The customer agrees to pay for all tooling charges caused by changes in design or specifications.

(c) Samples submitted shall be deemed approved unless written rejection is received within two weeks of submission.

(d) Manufactured parts will be shipped and billed as they are produced.

(e) Claims for shortage or rejections for defects must be made within 10 days of receipt of goods. Credit will be rendered on such defective parts after we have had an opportunity to inspect them, provided they are returned to our factory, transportation charges prepaid, within 30 days, and provided they have not been altered or defaced in any way.

8. Tooling and Designing

(a) In consideration of the engineering service necessary in the designing of jigs, fixtures and tooling not being charged for, but being quoted on the basis of labor and material only, and not at their fair market value, such jigs, fixtures and tooling shall remain in our possession for at least one year. Thereafter, the customer desiring delivery of such jigs, fixtures and tooling shall pay an engineering charge of 50 percent of the original price of said jigs, fixtures and tooling and accept same as-is.

(b) When requested, we will submit suggestions concerning design and construction of parts, but we will not accept responsibility of liability for the practicability of these suggestions if adopted by the customer.

9. Delivery and Adjustment to Price

(a) If the customer requests that the goods be manufactured and shipped on a date (or dates) earlier than originally agreed to by Rice Lake and the customer, and Rice Lake agrees to the earlier date (or dates), any increase in the cost of performance incurred by Rice Lake resulting from earlier manufacture and shipment will be included in an adjustment of the purchase price to be made by Rice Lake and will be paid by the customer.

Terms and Conditions

(b) Should shipments be held beyond scheduled date for convenience of the customer, goods will be billed and charges will be made for warehousing, trucking and other expenses incident to such delay. Reasonable and sufficient care is taken by Rice Lake in crating its goods. Rice Lake cannot be held responsible for breakage after having received “in-good-order” receipts from the transportation carrier. All claim for loss and damage must be made by the customer to the carrier, but we will assist insofar as practical in securing satisfactory adjustment of such claims.

10. Payment and Liens

(a) All invoices shall be due and payable when submitted for payment in accordance with the revisions of Rice Lake terms. No withholding of funds, back charges or credits against amounts otherwise due to Rice Lake will be permitted unless specifically agreed to in writing by Rice Lake. Settlement of any amounts due to the customer will be negotiated as separate items and not as offsets against amounts otherwise due to Rice Lake from the customer for products sold hereunder.

(b) Any unpaid account for work done shall constitute a lien on any jigs, fixtures, manufactured parts and raw materials in Rice Lake possession. In the event any account remains open and unpaid for 90 days, Rice Lake reserves the right to use the customer's jigs and fixtures to make parts therefrom, and to sell or dispose of manufactured parts and raw materials.

(c) The customer shall not assign or transfer any rights or obligations arising from this proposal, or monies payable thereunder, without the prior written consent of Rice Lake, and any such assignment or transfer made without such written consent shall be deemed null and void.

11. Additional Provisions

(a) Errors—stenographic and clerical errors are subject to correction.

(b) These terms and conditions constitute the entire contract between the customer and Rice Lake, transcending any oral arrangements or representations which may be inconsistent therewith.

(c) This quotation is made under and shall be governed by the laws of the state of Wisconsin.

12. Resale of Rice Lake Weighing Systems Products

In order to ensure compliance with the U.S. Export Administration Regulations we ask you to comply with the following:

(a) The customer shall not export or re-export Rice Lake Weighing Systems products, either directly or indirectly, in contravention of any applicable law, statute or regulation and will first obtain any required licenses or authorizations from the relevant government authority when necessary as prescribed by law.

(b) The customer confirms that it is familiar with and complies with the relevant national and international export control regulations and embargo regulations. The customer furthermore confirms that it is in particular familiar with and complies with the U.S. Department of Commerce, Export Administration Regulations; U.S. Department of Treasury, OFAC Sanctions; the U.S. Department of Defense, ITAR requirements and the U.S. Department of State regulations.

(c) If deemed necessary, Rice Lake Weighing Systems, in individual cases may make further requests from the customer for information required for export compliance.

(d) Should it be necessary for the customer to obtain an export license from the appropriate authorities pursuant to the aforementioned regulations, the customer shall apply for such a license autonomously and at their own expense.

13. Sale of Hazardous Area Equipment

It is the responsibility of the reseller to either:

(a) Keep a permanent, traceable record of the equipment location (the end user); or,

(b) Return a completed Rice Lake Hazardous Area Classification Form #1033 signed by the reseller and the end user's hazardous or classified area defining authority. The form must be returned to Rice Lake Weighing Systems for acceptance and permanent record. In the event of an incident, a third party may require that the record be produced. It is the end user's responsibility to maintain compliance with national and local regulations for proper specification, installation, operation and service of this equipment.

The foregoing warranties are exclusive and in lieu of all other express and implied warranties whatsoever, including but not limited to implied warranties of merchantability and fitness for a particular purpose. Rice Lake shall not be subject to any other obligations or liabilities whatsoever with respect to parts manufactured or supplied by Rice Lake or services rendered by it.

Anything herein to the contrary notwithstanding, Rice Lake shall not be liable for incidental and consequential damages, and in substitution for all remedies which the customer may have under any applicable law. The customer's sole and exclusive remedy against Rice Lake for any breach of warranty or any other breach relating to goods delivered pursuant hereto shall be for repair or replacement (at Rice Lake's option) of the goods or parts effected by such breach.

Warranties

Standard Product Limited Warranty

Rice Lake Weighing Systems (Rice Lake) warrants that all Rice Lake branded equipment and systems properly installed by an authorized reseller or original equipment manufacturer (OEM) will operate per written specifications as confirmed by the authorized reseller/OEM and accepted by Rice Lake. All systems and components are warranted against defects in materials and workmanship for one (1) year from the date of shipment from Rice Lake, unless otherwise stated in the product catalog or manual. Rice Lake warrants that the equipment sold here under will conform to the current written specifications authorized by Rice Lake. Rice Lake warrants the equipment against faulty workmanship and defective materials. If any equipment fails to conform to these warranties, **Rice Lake will, at its option, repair or replace such goods returned within the warranty period subject to the following conditions:**

Warranty and Limitation of Liability

Upon discovery by the Customer of such nonconformity, Rice Lake will be given prompt written notice with a detailed explanation of the alleged deficiencies.

Individual electronic components returned to Rice Lake for warranty purposes must be packaged to prevent electrostatic discharge (ESD) damage in shipment. Packaging requirements are listed in the publication, "Protecting Your Components From Static Damage in Shipment," available from the Rice Lake Equipment Return Department.

Examination of such equipment by Rice Lake confirms that the non-conformity actually exists, and was not caused by accident, misuse, neglect, alteration, improper installation, improper repair, or improper testing. Rice Lake shall be the sole judge of all alleged non-conformities.

Such equipment has not been modified, altered, or changed by any person other than Rice Lake or its duly authorized repair agents.

Cutting the load cell cable will void the warranty.

Rice Lake will have a reasonable time to repair or replace the defective equipment. The Customer is responsible for shipping the product to Rice Lake. Rice Lake is responsible for shipping the product back to the Customer.

In no event will Rice Lake be responsible for travel time or on-location repairs, including assembly or disassembly of equipment. Nor will Rice Lake be liable for the cost of any repairs made by others.

On all intrinsically safe equipment, any field repair or modifications voids any and all warranties expressed or implied and void F.M. approval.

Any loose hardware, screws, washers or non-ESD bags of hardware stored inside indicator will void warranty. This could cause harm to repair technician or damage CPU board.

If just the board is sent in for repair, the serial number of the product the board is from should accompany the board.

These warranties exclude all other warranties, expressed or implied, including without limitation warranties of merchantability or fitness for a particular purpose. Neither Rice Lake nor the authorized reseller will, in any event, be liable for incidental or consequential damages at the point of use. Rice Lake and the Customer agree that Rice Lake's sole and exclusive liability here under is limited to repair or replacement of such goods. In accepting this warranty, the Customer waives any and all other claims to warranty.

Should the seller be other than Rice Lake, the Customer agrees to look only to the seller for warranty claims. No terms, conditions, understanding, or agreements purporting to modify the terms of this warranty shall have any legal effect unless made in writing and signed by a corporate officer of Rice Lake and the Customer.

Carrier Product Damage

As part of our commitment to customer satisfaction and in accordance with ISO 9001 standards, we make every attempt to pack our products so they will arrive in new condition.

Occasionally due to rough handling or carelessness of carrier, product may arrive in a damaged condition. When this happens, don't assume that the shipment left Rice Lake in that condition or that the original packing was not sufficient.

The receiver, whether it is the authorized reseller or their Customer, is responsible for making a notation of damaged or missing items when signing the carrier's delivery receipt. If you or your Customer are not sure whether there is damage, we suggest adding a statement "CONDITION UNKNOWN" to the delivery receipt. In the event that damage or missing items are not properly documented at time of receipt, the carrier is relieved of responsibility and the receiver is then responsible for the cost to get the product back to new condition.

After the damage or shortage has been properly noted with the carrier, contact Rice Lake immediately and keep all the original packaging material for inspection by the carrier's representative. It is also helpful in the claim process to take pictures of the condition of the packaging and damage.

When drop-shipping items to your Customers, it is imperative that you advise them of their responsibility in accepting shipments from common carriers. Even if the equipment is not expected to be installed or used for a period of time, the shipment must be inspected at time of receipt in order to preserve their rights for making a claim.

Custom Software Limited Warranty

Rice Lake Weighing Systems (Rice Lake) warrants that (a) the software will perform in accordance with the specification and accompanying written endorsement by the Customer for a period of 90 days from the date of receipt; (b) any hardware accompanying the software will be free from defects in materials and workmanship under normal use and service for a period of one (1) year from the date of shipment from Rice Lake; and (c) the Customer should perform inspection and testing of software products prior to installation.

This limited warranty is void if failure of the software or hardware has resulted from accident, abuse, misapplication, or incorrect Customer specification. Any replacement software will be warranted for the remainder of the original warranty period or 30 days, whichever is longer.

If the software fails to conform to these warranties, Rice Lake will, at its option, repair or replace such goods returned within the warranty period subject to the following conditions:

Upon discovery by the Customer of such nonconformity, Rice Lake will be given prompt written notice with a detailed explanation of the alleged deficiencies.

Examination of software by Rice Lake confirms that the nonconformity exists, and was not caused by accident, misuse, neglect, alteration, improper installation, improper repair, improper testing, or incorrect Customer specification. Rice Lake shall be the sole judge of all alleged non-conformities.

Rice Lake will have a reasonable time to repair or replace the software. The Customer is responsible for shipping charges both ways.

Warranty and Limitation of Liability

In no event will Rice Lake be responsible for travel time or on-location repairs, including assembly or disassembly of equipment. Nor will Rice Lake be liable for the cost of any repairs made by others.

These warranties exclude all other warranties, expressed or implied, including without limitation warranties of merchantability or fitness for a particular purpose.

Neither Rice Lake nor the authorized reseller will, in any event, be liable for incidental or consequential damages at the point of use.

Rice Lake and Customer agree that Rice Lake' sole and exclusive liability here under is limited to repair or replacement of such goods. In accepting this warranty, the Customer waives any and all other claims to warranty.

Should the seller be other than Rice Lake, the Customer agrees to look only to the seller for warranty claims.

No terms, conditions, understanding or agreements purporting to modify the terms of this warranty shall have any legal effect unless made in writing and signed by a corporate officer of Rice Lake and the Customer.

Return Policies

Our commitment to our Customers states that if any standard product purchased from Rice Lake does not work, or if the incorrect product is shipped, **return it in its original shipping carton with all accessories in "like new" condition for full credit or replacement within 30 days of purchase. Electronic components returned to Rice Lake must be properly packaged to prevent electrostatic discharge (ESD) damage in shipment.**

Packaging requirements are listed in the publication, "Protecting Your Components from Static Damage in Shipment," available online or from our Returns Department. This policy and the 30-day limit also apply to any products drop-shipped directly from the manufacturer.

Please note that if an incorrect quantity of product was shipped, Rice Lake must be contacted within 10 days of the purchase. Upon notification, we will immediately correct the situation.

A restocking charge will apply if equipment is not in like-new condition. The restocking charge is directly proportional to the amount of time and material required to return the item to resalable condition—we will make every effort to do this quickly and economically. Equipment that has been abused and/or shows signs of excessive wear and cannot be reconditioned and resold will not be accepted for return or credit after excessive wear or has been modified.

As Applied to Drop Shipments

All Rice Lake return guidelines apply to products drop-shipped directly from the manufacturer. If a perceived error occurs, Rice Lake will investigate to the best of our ability to determine if the error occurred prior to shipping, during shipping, or at the end user site. If our records and subsequent investigation indicate that the shipment was correct when it left our factory, our responsibility extends only to the authorized reseller, not their end user. Our standard product warranty notes that our coverage extends only to equipment and systems **properly installed by an authorized reseller.**

Obtaining an RMA

A return merchandise authorization (RMA) number is required for all materials being returned to Rice Lake for credit. Flat rate repairs require purchase orders at time of RMA issuance. When returning equipment for repair or warranty reimbursement consideration, these simple steps will help to expedite your request:

1. Contact our Returns Department.
2. Please have your customer number and both the item description and detailed findings of product problem for repair.
3. Please have the original sales order or invoice number for items to be returned for credit or warranty.
NOTE: See return policy
4. An RMA number will be given for eligible returns. This RMA number may also be faxed or emailed per your request.

Return Shipments Outside the United States for Repair, Warranty, Calibration or Other Services and Re-export.

For shipment to the USA:

1. The commercial invoice must include the following statement:
 - i. "These goods are being returned for maintenance under"
 - ii. The RMA department will instruct you with the HTS code that you can use to achieve a duty free return. Typically the HTS code to use for articles returned temporarily for repair, alteration, process, and are expected to be reexported get classified as 9801.00.1012
2. The commercial invoice must list items individually and include the fair market value of the item based on its present condition for customs purposes only.
3. Please reference original Rice Lake commercial invoice number and date item was purchased if applicable.
4. Please note that failure to follow these procedures may cause delay and will certainly incur extra charges that will NOT be absorbed by Rice Lake.

Return Shipments Outside the United States Other Than for Repair, or Service Work Not Being Returned.

For shipment to the USA:

1. The commercial invoice must include the following statement:
 - a. "These goods have not been improved in value.
 - b. The RMA department will instruct you with the HTS code and country of origin that you can use to achieve a duty free return.
2. The commercial invoice must list items individually and include the fair market value of the item based on its present condition for customs purposes only.
3. Please reference original Rice Lake commercial invoice number and date item was purchased if applicable.
4. Please note that failure to follow these procedures may cause delay and possible reduction in your refund.
5. Please be advised that you may qualify for a refund of your duties and should contact your local customs authority for instructions and forms.

Warranty and Limitation of Liability

Special Order, Modified, Non-catalog or Non-stock Items

Due to the added resources and difficulty in reselling special or non-standard products, returns or credit are not allowed for special order equipment, special software programs, equipment physically modified or altered in the field, discrete electronic components, relays, manuals, or opened software packages.

Calibration Test Weights

All weights returned for credit will be assessed a restocking charge because of the required inspection and verification. Credit is not allowed for serialized weights, calibration or traceable services performed on weights.

Calibration Test Weights

No returns will be accepted for items that are specifically modified for the Customer's requirements. Examples of such modifications may include but not limited to:

1. Weights that have been specifically built to the customer's specifications.
2. Standard product specifically modified to the customer's specifications.
3. Standard product engraved with serial numbers at the customer's request.
4. Laboratory procedure charges.
5. Laboratory documentation fees.

Balances

Balances returned for credit within 30 days of purchase may be subject to a restocking fee if assessed by balance manufacturer.

Balance Repair Policy and Rates

We offer repair support on the following balance models:

- All Rice Lake brand models. Once we receive the equipment and the RMA form, an estimate will be prepared.

A minimum charge of one hour will apply. All balance repairs are covered by a 90-day limited warranty on parts and workmanship performed and noted under the scope of the specific repair. Balances must be packaged to adequately protect them from damage in transit. Please refer to "How to Prepare a Balance for Shipment" available on our website or call our Returns Department.

How to Prepare a Balance for Shipment

The best and most effective method for shipping a balance at any time and for any reason is to use the original manufacturer's packaging materials and subsequently double box it as described below. Due to the nature of the equipment, new packaging materials can be expensive. It is best to retain the original packing.

In the event that the original manufacturer's packaging materials are not available, follow these instructions for top loading balances:

1. Remove the weighing platform cover, support buttons, weighing platform, floor plate and other devices installed in the weighing chamber. Pack these pieces individually in bubble wrap and tape the wrapping closed. Follow this same procedure for AC adapters and power cords. Please note that AC adapters and power cords are necessary to adequately evaluate any issues with the balance.
2. Examine the device (refer to the operating instructions) and if necessary, re-install or tighten any shipping screws/retaining devices to prevent damage to the weighing mechanism during shipment.
3. If the floor plate is not removable, ensure it is securely in place and cannot come loose during shipment, even if the balance is inverted. Do NOT invert the balance to test the security of the floor plate.
4. Clean the device of any loose debris or potential contaminants to our testing facility.
5. Prepare and sign a Statement of Decontamination (form #0679). This form MUST be included in a separate packing list envelope on the outside of the box with "Statement of Decontamination Form" clearly visible.
6. Using Scotch or aluminum tape, carefully secure all the glass doors on the device CLOSED. Be sure the tape is securely affixed and will not come off during shipment. Please note that on some devices, the glass breeze-break around the weighing chamber can actually be disassembled and packed separate prior to shipment. Refer to the manufacturer's operating instructions. If this is a feature of the device being return, disassemble the breeze break and pack it in its own packing material and box.
7. Use a large box that will provide a minimum of 3 inch of space around the device for loose-fill packing material.
8. Place a padding of foam or Styrofoam (at least 1 in thick) at the bottom of the box.
9. Place the balance in a large plastic bag and seal the bag closed.
10. Please put the device on top of the foam padding or Styrofoam from step 8 above.
11. Ensure that there is at least three inches of clearance between the top of the balance and the top of the box.
12. Using generous amounts of anti-static loose-fill packing material, fill all the spaces around the balance. Shake the box to cause the material to settle and add additional loose fill as necessary.
13. Place the small box containing all the items from step 1 above on top of the loose fill covering the balance. Add additional loose fill to completely cover all items within the box.
14. Double pack this box in another box that will again provide an additional two inches of space around the inner box. Fill all existing space between the inner and outer box with copious amounts of anti-static loose fill packing material.
15. Seal the box and include all the necessary documentation on the outside of the box. Be sure to include the Statement of Decontamination (form #0679) from step 5 above.

Warranty and Limitation of Liability

Repair Service Policies

Our Service Department is staffed Monday through Friday from 6:30 a.m. to 6:30 p.m., and Saturday from 8:00 a.m. to noon, Central Time. Please call or email Rice Lake at service@ricelake.com for answers to your technical questions and the status of repair products during normal business hours.

We provide quality and timely repairs for the products we sell. Flat rate repair is offered for selected models of indicators, printers and remote displays. Prior to returning a product for repair, our returns department will work with you to determine some key factors that will help Rice Lake better serve you. Please provide the following via phone to extension 5348 or an RMA form.

- Customer Number: Without a customer number we cannot issue an RMA number.
- Ship-to Address: Your customer number will bring up the bill-to address. You must inform Rice Lake of the ship-to address if it's different than the bill-to address.
- **Original sales and invoice orders: Required on warranty claims.**
- Freight Type: Unless stated otherwise, we ship the device back to you utilizing the same freight type in which we received it. If Rice Lake is responsible for freight charges, the carrier will be selected at the sole discretion of Rice Lake.
- **Definition of Product and Problem: Please provide as much detail as possible regarding the type of product, application and problem.**
- Purchase Order Number for Flat Rate Repair: Once we receive the equipment and the RMA, equipment for flat rate repair will be processed immediately. Other equipment will be evaluated and a minimum evaluation charge will apply (contact Rice Lake for exact pricing).

You may be asked about the possibility of a new replacement product. It may be in your best interest to explore the option of purchasing a new product if the repair will exceed 50 percent of authorized reseller net price, since new products carry full-warranty benefits.

Please note our hourly service rate on all current Rice Lake products. Contact Rice Lake for exact pricing. There is a 120-day limited warranty on parts and workmanship performed and noted under the scope of the specific repair.

California Proposition 65

Rice Lake Weighing Systems Statement

Proposition 65 requires businesses to inform Californians about exposures to chemicals that are listed by the State of California as known to cause cancer, birth defects or other reproductive harm. There are over 900 different chemicals listed under Proposition 65 and more chemicals are listed by the State of California each year. These chemicals may be in the products you purchase, or you may be exposed to them at home, at the workplace or within the environment. Proposition 65 enables Californians to make informed purchasing decisions about products that can expose you to these chemicals even in minute or trace amounts. California's Proposition 65 is a California only law.

Rice Lake Weighing Systems provides Proposition 65 warnings on the packaging of the products it sells that may require a warning in an abundance of caution. All of Rice Lake's products are safe



for their intended use. We are providing this warning based on the knowledge that one or more chemicals included in the California Proposition 65 list is present in Rice Lake Weighing Systems products even if only in trace or minute amounts. To the extent that customers repackage any Rice Lake products they have sole responsibility for ensuring that the Rice Lake Proposition 65 warning is provided if the repackaged product is sold in California. Any Rice Lake customer who repackages a Rice Lake product but does not include the Rice Lake Proposition 65 warning that is included on the Rice Lake packaging agrees to defend and indemnify Rice Lake by counsel of its choice if a claim is asserted against Rice Lake based on the failure to provide a Proposition 65 warning on the repackaged product. The Rice Lake terms and conditions prevail over any conflicting terms in customer's purchase documentation and customer's order and receipt of Rice Lake Products is deemed acceptance of Rice Lake's terms and conditions. More information about California's Proposition 65 can be found at www.P65Warnings.ca.gov.

Using Ingress Protection (IP) Ratings

Rice Lake Weighing Systems uses universal ingress protection (IP) ratings to identify protection levels against the ingress of solid objects, dust and water for load cell seals and other products. The first number following IP identifies the level of protection against solid objects, including dust. The second number indicates the level of protection against various forms of moisture.

All load cell cables should be run through conduit to increase protection against moisture ingress.

Example: Protection level offered by an IP67 rated product

IP 67

Protection against solid objects

First number (in this case 6)

- 0 No protection
- 1 Protected from solid objects up to 50 mm (e.g., accidental touch by hands)
- 2 Protected from solid objects up to 12 mm (e.g., fingers)
- 3 Protected from solid objects more than 2.5 mm (e.g., tools and small wires)
- 4 Protected from solid objects more than 1 mm (e.g., small wires)
- 5 Protected from dust; limited entrance (no harmful deposit)
- 6 Totally protected from dust

Protection against liquids

Second number (in this case 7)

- 0 No protection
- 1 Protected from vertically-falling drops of water (e.g., condensation)
- 2 Protected from direct sprays of water up to 15° from vertical
- 3 Protected from direct sprays of water up to 60° from vertical
- 4 Protected from water sprayed from all directions; limited entrance allowed
- 5 Protected from low pressure jets of water from all directions; limited entrance allowed
- 6 Protected from strong jets of water (e.g., for use on ship decks); limited entrance allowed
- 7 Protected from the effects of immersion between 15 cm and 1 m for 30 minutes
- 8 Protected from extended periods of immersion under pressure
- 9K Protected against high-pressure water and stream jets, including close range, high pressure and high-temperature spray associated with cleaning.

IP Numbers with Hermetically Sealed (HS) or Environmentally Protected (EP) Ratings

Rating	Protection
EP	Dust proof, not protected from moisture or water
IP65	Dust proof, protected from splashes and low-pressure jets
IP66	Dust proof, protected from strong water jets
IP67	Dust proof, protected from temporary immersion in water 1 meter deep for 30 minutes
IP68	Dust proof, protected from continuous immersion in water under more severe conditions than IP67
IP66/68	Dust proof, protected from strong water jets and/or constant immersion
IP69K	Dust proof, protected from high pressure washing and steam cleaning

CUSTOMER
ASSISTANCE

Weigh Module Application



This Weigh Module Application form will help you and your customer choose the best weigh module kit for their application. It has the most commonly asked questions and the back can be used to sketch the application, make notes or draw the bolt pattern needed to mate the legs and mount plates. A copy should be made for your files for future reference.

CONTACT INFORMATION

Sales Organization _____ Sales Person _____
Dealer/Customer Number _____ Email _____
Phone _____ Address _____
City _____ State _____ Zip _____

APPLICATION NOTES

Is the application washdown? ☐ Yes ☐ No ☐ High Pressure ☐ Steam

Ambient temperature that load cells will be exposed to _____

List of chemicals that load cells will be exposed to _____

Is weighing environment considered explosive, if so please provide class, group and division area is classified as _____

Is FM approval required for the load cells? ☐ Yes ☐ No

Is ATEX approval required for the load cells? ☐ Yes ☐ No

Are NTEP Certified load cells required? (Legal for Trade) ☐ Yes ☐ No

Type of vessel being weighed _____

☐ Tension ☐ Compression ☐ Vertical ☐ Horizontal

Configuration of vessel? ☐ Round ☐ Square ☐ Rectangle

Number of supports or weigh points? _____

Product being weighed _____

Desired material of load cell? ☐ Stainless ☐ Alloy steel ☐ Aluminum

Desired material of mount assembly? ☐ Stainless ☐ Alloy steel

Live load of material? _____ lbs _____ kgs

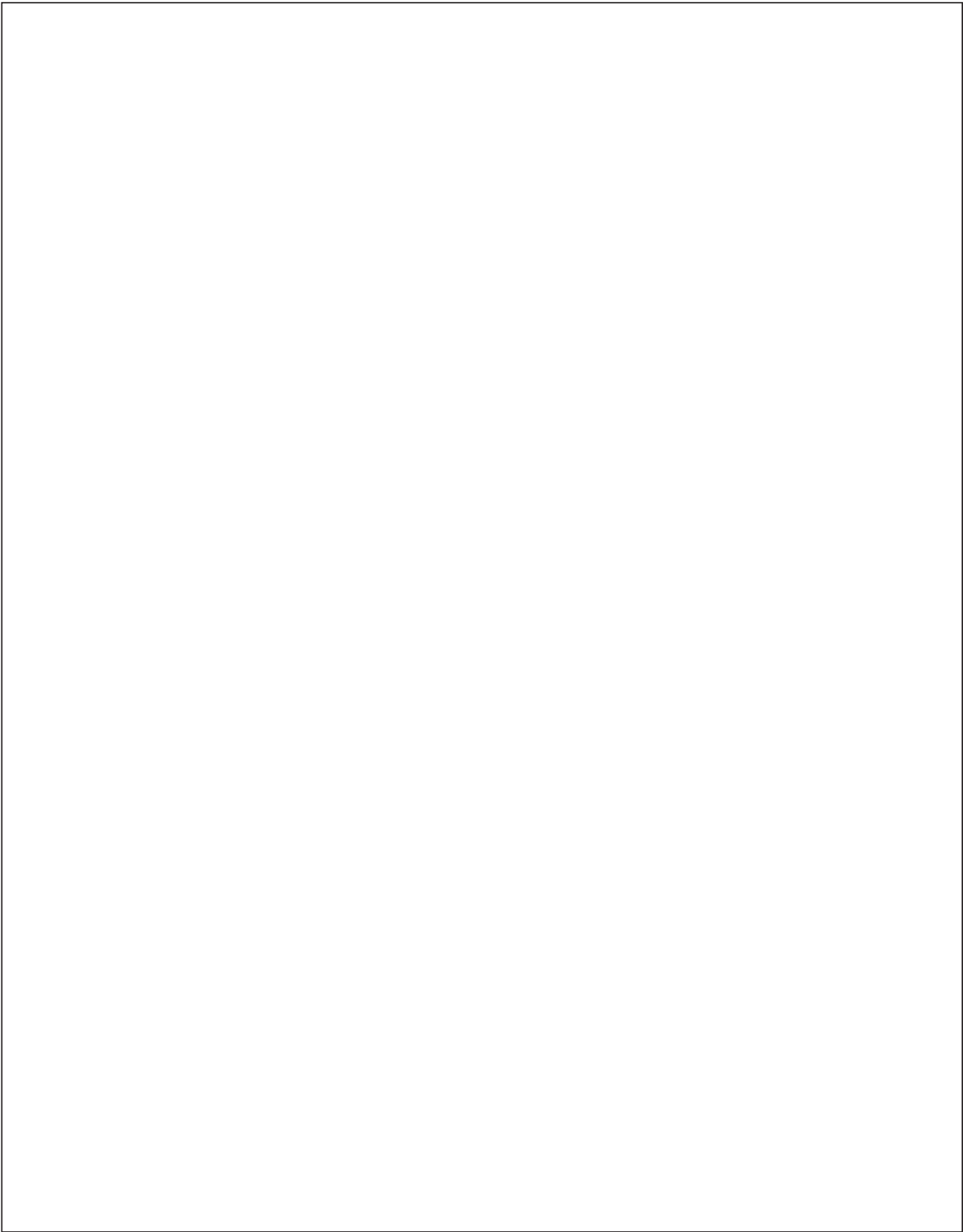
Dead load of vessel? _____ lbs _____ kgs

Any mixers or motors that are part of the vessel. If yes, location and size (horsepower) _____

Will there be shock loading? ☐ Yes ☐ No If yes, provide calculation or description _____

Notes: _____

Any modifications desired for the weigh module, i.e. top or bottom plate size, bolt hole pattern?
If so, please provide sketch below:



This image shows a full page of blank graph paper. The grid consists of small, uniform squares formed by thin, light gray lines. There are no margins, text, or other markings on the page.

SURVIVOR Weigh Modules

TABLE OF CONTENTS

SURVIVOR Weigh Modules.....27

SURVIVOR Paramounts® HE28
Medium-capacity Weigh Module Kits

SURVIVOR RL1700 HE.....29
Light- to Medium-capacity Weigh Module Kits

SURVIVOR RL1600 HE Series30
Medium-capacity Weigh Module Kits

SURVIVOR RL1855 HE-HS31
Medium-capacity Weigh Module Kits

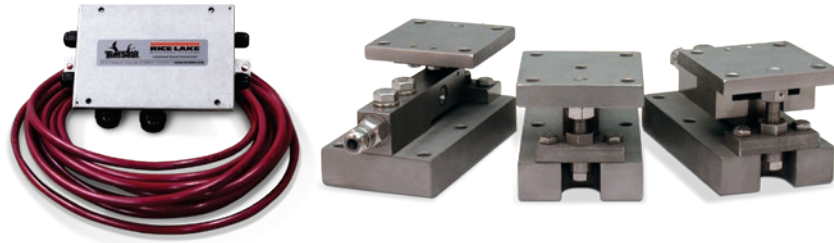
SURVIVOR RL2100 HE.....32
Heavy-capacity Weigh Module Kits

**SURVIVOR®
WEIGH MODULES**

Product names, logos, brands and other trademarks featured or referred to within this publication are the property of their respective trademark holders.

SURVIVOR Paramounts® HE

Medium-capacity Weigh Module Kits



Picture is a representation of actual product.

Complete Kit Includes

- One fixed-pin module, one side-stop module, and one or two free-sliding assemblies. Each module is complete with a Flintec SB4 stainless steel hermetically sealed load cell.
- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- 25 ft of our hostile environment EL147HE SURVIVOR load cell cable

Standard Features

- All stainless steel construction
- Bolt-in-place design; module bolts directly to tank leg without requiring additional load buttons or mounting plates
- Load cell outputs are mV/V/ohm calibrated to minimize maintenance costs
- Unique design allows for thermal expansion/contraction
- Low-profile, self-checking design
- Jacking screw allows empty vessel to be lifted clear of load cell for maintenance
- Unique patented blind load hole technology minimizes unwanted side and eccentric loading
- Vessel is free to slide laterally on PTFE-coated surfaces

Applications

- Medium-capacity blenders and tanks
- Batching/blending
- Pharmaceutical processing
- Food processing
- Petroleum refining and batching

Load Cell Approvals



Order Information

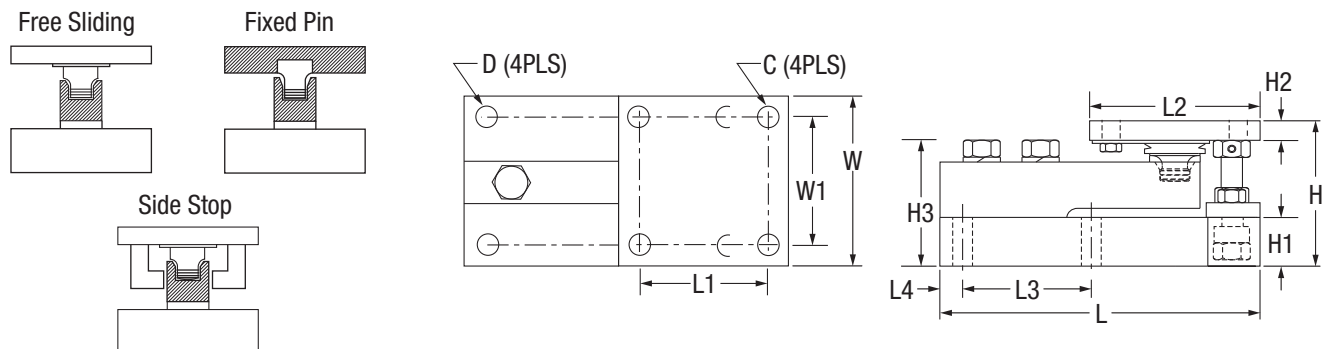
Load Rating (Per Module)	Part #	Price
NTEP Certified/OIML C3 3-Module Kit		
5 kN	29883	\$4,314.00
10 kN	29884	\$4,314.00
23 kN	29885	\$4,314.00
50 kN	29886	\$5,835.00
NTEP Certified/OIML C3 4-Module Kit		
5 kN	29879	\$5,734.00
10 kN	29880	\$5,734.00
23 kN	29881	\$5,734.00
50 kN	29882	\$7,378.00
Non-NTEP Certified 3-Module Kit		
5 kN	17991	\$4,200.00
10 kN	17992	\$4,200.00
23 kN	17993	\$4,200.00
50 kN	17994	\$5,460.00
100 kN	17995	\$6,220.00
Non-NTEP Certified 4-Module Kit		
5 kN	17998	\$5,480.00
10 kN	17999	\$5,480.00
23 kN	18000	\$5,480.00
50 kN	18001	\$6,906.00
100 kN	18002	\$8,644.00
*Conduit adapter, 1/2-14 NPT	17703	\$50.00

*Must be factory installed

Dimensions

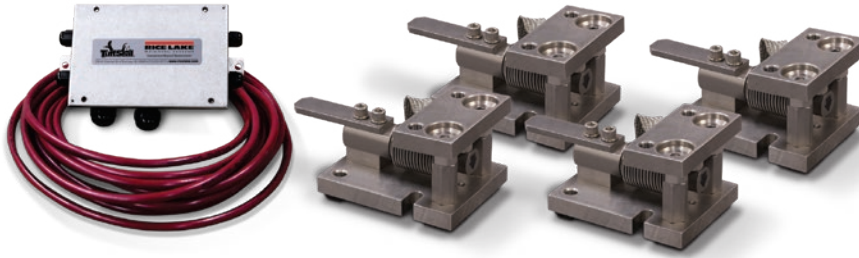
Rated Capacity	C	D	H	H1	*H2	**H2	H3	L	L1	L2	L3	L4	W	W1
kN/in														
5 to 23	0.44	0.44	3.58	1.25	0.50	0.75	3.06	7.51	3.00	4.00	3.00	0.50	4.00	3.00
50	0.56	0.56	4.66	1.50	0.62	1.00	4.09	9.19	3.87	5.00	3.87	0.56	5.00	3.87
100	0.69	0.69	6.41	2.00	0.75	1.25	5.73	11.46	4.75	6.00	4.75	0.69	6.00	4.75

*Side stop and free sliding units **Fixed pin units



SURVIVOR RL1700 HE

Light- to Medium-capacity Weigh Module Kits



Picture is a representation of actual product.

Order Information

Load Rating (Per Module)	Part #	Price
Single Module (Includes Load Cell)		
5 kg	32687	\$1,000.00
10 kg	32688	\$1,000.00
20 kg	32689	\$1,000.00
50 kg	32690	\$1,000.00
100 kg	32691	\$1,000.00
200 kg	32692	\$1,000.00
250 kg	32693	\$1,000.00
500 kg	32974	\$1,225.00
1,000 kg	32973	\$1,225.00
2,000 kg	32972	\$1,225.00
5,000 kg	32971	\$1,495.00
3-Module Kit		
5 kg	32920	\$3,215.00
10 kg	32921	\$3,215.00
20 kg	32922	\$3,215.00
50 kg	32923	\$3,215.00
100 kg	32924	\$3,215.00
200 kg	32925	\$3,215.00
250 kg	32926	\$3,215.00
500 kg	32980	\$3,875.00
1,000 kg	32981	\$3,875.00
2,000 kg	32982	\$3,875.00
5,000 kg	32983	\$4,785.00
4-Module Kit		
5 kg	32927	\$4,250.00
10 kg	32928	\$4,250.00
20 kg	32929	\$4,250.00
50 kg	32930	\$4,250.00
100 kg	32931	\$4,250.00
200 kg	32932	\$4,250.00
250 kg	32933	\$4,250.00
500 kg	32984	\$5,105.00
1,000 kg	32985	\$5,105.00
2,000 kg	32986	\$5,105.00
5,000 kg	32987	\$5,985.00

Dimensions

Rated Capacity	C	B	*H1	**H2	L	L1	L2	L3	L4	L5	W	W1	W2	W3
kg/mm														
5 to 250	13.1	1/2-20 UNF	80.0	86.1	131.8	63.8	76.0	42.0	56.0	14.1	101.4	70.0	15.5	25.4
500 to 2,000	13.1	5/8-18 UNF	101.6	109.4	165.1	71.2	129.5	15.5	75.5	60.0	110.0	70.0	20.0	31.8
5,000	19.8	3/4-10 UNC	135.0	143.0	215.0	81.0	161.0	20.0	90.0	70.0	150.0	90.0	30.0	40.0

* In weighing position ** In jacked-up position for load cell shipping or removal

Complete Kit Includes

- Three or four RL1700 HE stainless steel compression mounts with NTEP Certified RL9018SS (5 to 250 kg) or RLHTO (500 to 5,000 kg) stainless steel, hermetically sealed single-ended beam load cells
- One JB4SS NEMA Type 4X stainless steel signal-trim junction box
- 25 ft of our hostile environment EL147HE SURVIVOR load cell cable

Standard Features

- Capacities (per module) 5 to 5,000 kg
- All stainless steel, weldless construction retains less residue and allows fast, thorough cleaning
- Bolt-in-place design; module bolts directly to tank leg without requiring additional load buttons or mounting plates
- Self-checking with lift-off/tip-over protection and jacking/shipping bolts
- Load cell is isolated from overload in all directions

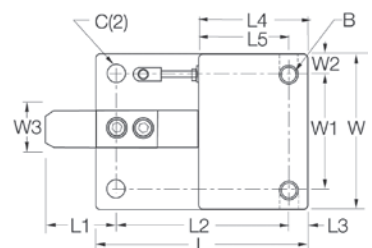
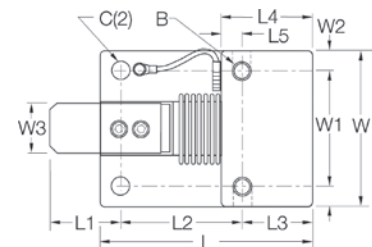
Applications

- Multi-ingredient micro-batching
- Meat and poultry processing
- Batching/blending
- Dye/ink blending

Load Cell Approvals



5 kg - 250 kg capacities



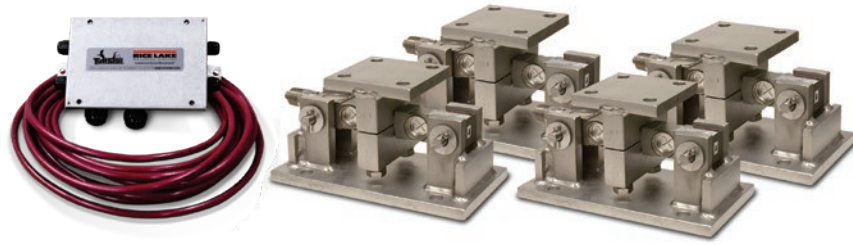
500 kg - 5000 kg capacities

SURVIVOR®
WEIGH MODULES

SURVIVOR RL1600 HE Series

Medium-capacity Weigh Module Kits

Discontinued



Picture is a representation of actual product.

Complete Kit Includes

- Three or four RL1600 HE stainless steel compression mounts with RL75016WHE stainless steel, hermetically sealed double-ended shear beam load cells
- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- 25 ft of our hostile environment EL147HE SURVIVOR load cell cable

Standard Features

- All stainless steel construction
- Self-checking, easy-to-use design allows module to be bolted directly to tank leg without requiring additional mounting plates or load buttons
- Center loaded

Applications

- Medium-capacity tanks, bins and hoppers
- Bulk material management
- Ingredient batching, mixing and blending

Load Cell Approvals



Order Information

Load Rating (Per Module)	Part #	Price
Single Mount Does Not Include Load Cells		
1,000 to 5,000 lb	17813	\$685.00
10,000 to 25,000 lb	17815	\$1,345.00
3-Module Kit		
1,000 lb	46723	\$4,500.00
1,500 lb	119673	\$4,500.00
2,000 lb	119675	\$4,500.00
2,500 lb	46724	\$4,500.00
5,000 lb	46725	\$4,500.00
10,000 lb	46726	\$6,725.00
15,000 lb	46727	\$6,725.00
20,000 lb	84664	\$6,725.00
25,000 lb	46728	\$6,725.00
4-Module Kit		
1,000 lb	46729	\$5,865.00
1,500 lb	119674	\$5,865.00
2,000 lb	119676	\$5,865.00
2,500 lb	46730	\$5,865.00
5,000 lb	46731	\$5,865.00
10,000 lb	46732	\$8,800.00
15,000 lb	46733	\$8,800.00
20,000 lb	84665	\$8,800.00
25,000 lb	46734	\$8,800.00
Dummy Load Cells (Mild Steel)		
1,000 to 5,000 lb	18236	\$26.00
10,000 to 25,000 lb	18237	\$42.00

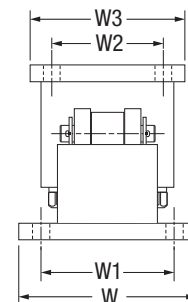
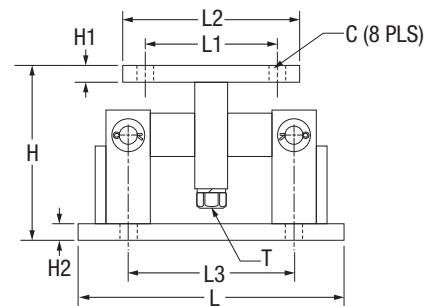
Shims*

	Part #	Price
1,000 to 5,000 lb		
0.0625	150852	\$7.00
0.125	150853	\$12.00
0.250	150854	\$18.00
10,000 to 25,000 lb		
0.0625	150855	\$19.00
0.125	150856	\$30.00
0.250	150857	\$65.00

*Shims match the top plate

Dimensions

Rated Capacity	C	H	H1	H2	L	L1	L2	L3	T	W	W1	W2	W3
lb/in													
1,000 to 5,000	0.56	5.00	0.50	0.50	9.25	2.75	4.00	6.25	1/2-13 UNC	5.00	3.75	2.75	4.00
10,000 to 25,000	0.78	7.87	0.75	0.75	12.00	6.00	8.00	7.50	3/4-10 UNC	8.00	6.00	6.00	8.00



SURVIVOR RL1855 HE-HS

Medium-capacity Weigh Module Kits



Picture is a representation of actual product.

Complete Kit Includes

- Three or four RL1855 HE stainless steel mounts with RL32218S-HE NTEP Certified hermetically sealed stainless steel load cells
- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- 25 ft of hostile environment EL147HE SURVIVOR load cell cable

Standard Features

- NTEP Certified load cells, 5,000 d Class III multiple load cell
- All stainless steel construction
- Self-checking design with lift off/tip off protection

Applications

- Medium-capacity hoppers, bins and tanks
- Batching/blending

Load Cell Approvals

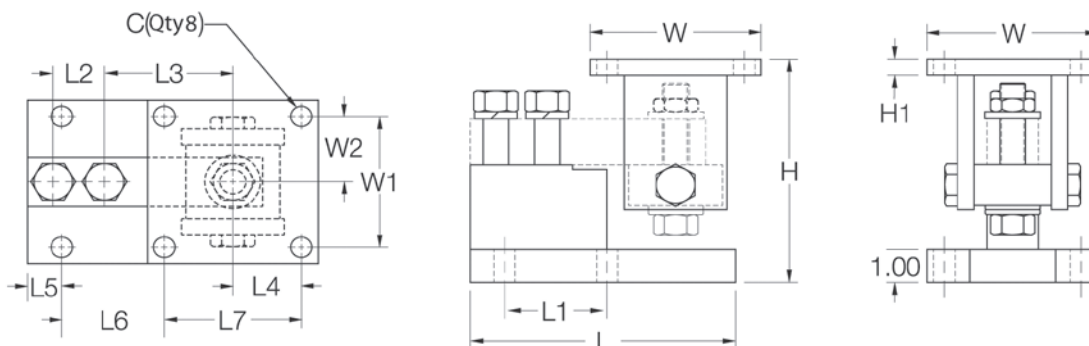


Order Information

Load Rating (Per Module)	Part #	Price
Single Modules (Includes Load Cell)		
1,000 lb	170857	\$1,065.00
2,500 lb	170858	\$1,065.00
4,000 lb	170859	\$1,065.00
5,000 lb	170860	\$1,150.00
10,000 lb	170861	\$1,150.00
3-Module Kit		
1,000 lb	170862	\$3,354.00
2,500 lb	170863	\$3,354.00
4,000 lb	170864	\$3,354.00
5,000 lb	170865	\$3,615.00
10,000 lb	170866	\$3,615.00
4-Module Kit		
1,000 lb	170867	\$4,360.00
2,500 lb	170868	\$4,360.00
4,000 lb	170869	\$4,360.00
5,000 lb	170870	\$4,765.00
10,000 lb	170871	\$4,765.00

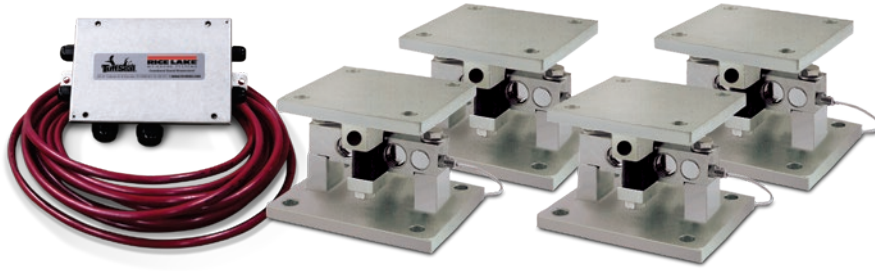
Dimensions

Rated Capacity	C	H min/ max	H1	L	L1	L2	L3	L4	L5	L6	L7	W	W1	W2
lb/in														
1,000 to 4,000	0.62	5.25/5.56	0.50	6.00	2.00	1.00	3.00	2.00	0.68	1.94	4.00	5.00	4.00	2.00
5,000 to 10,000	0.62	6.12/6.62	0.50	7.75	3.00	1.50	3.75	2.00	1.03	2.97	4.00	5.00	4.00	2.00



SURVIVOR RL2100 HE

Heavy-capacity Weigh Module Kits



Picture is a representation of actual product.

Complete Kit Includes

- Three or four RL2100 HE stainless steel compression mounts with NTEP Certified RL75060S or RL75058S-LP stainless steel, welded seal double-ended beam load cells
- One JB4SS NEMA Type 4X stainless steel signal-trim junction box
- 25 ft of our hostile environment EL147HE SURVIVOR load cell cable

Standard Features

- NTEP Certified load cells, 5,000 d, Class III/10,000 d, Class III/ multiple cell
- All stainless steel construction
- Bolt-in-place design; module bolts directly to tank leg without requiring additional load buttons or mounting plates
- Self-checking design with lift-off/tip-over protection

Applications

- Heavy-capacity tanks, blenders, reactors and bulk inventory management
- Petroleum refining process control
- Blending/batching

Load Cell Approvals

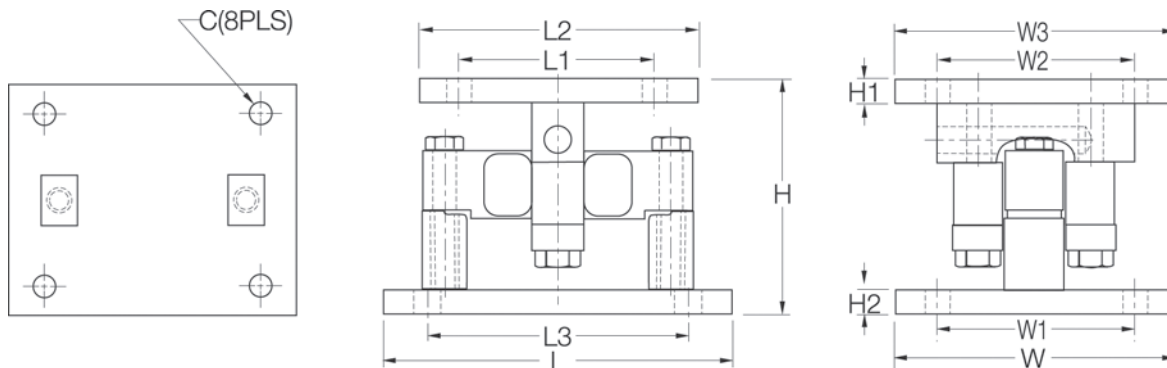


Order Information

Load Rating (Per Module)	Part #	Price
Single Module (Includes Load Cell)		
20,000 lb	32951	\$1,822.00
25,000 lb	65541	\$1,785.00
35,000 lb	32952	\$2,860.00
50,000 lb	32953	\$2,860.00
60,000 lb	32954	\$2,860.00
75,000 lb	32955	\$2,860.00
100,000 lb	32956	\$4,895.00
3-Module Kit		
20,000 lb	32970	\$5,608.00
25,000 lb	65984	\$5,608.00
35,000 lb	32969	\$8,861.00
50,000 lb	32968	\$8,861.00
60,000 lb	32967	\$8,861.00
75,000 lb	32966	\$8,861.00
100,000 lb	32965	\$14,583.00
4-Module Kit		
20,000 lb	32964	\$7,404.00
25,000 lb	65983	\$7,404.00
35,000 lb	32963	\$11,382.00
50,000 lb	32962	\$11,382.00
60,000 lb	32961	\$11,382.00
75,000 lb	32960	\$11,382.00
100,000 lb	32959	\$19,362.00

Dimensions

Rated Capacity	C	H	H1	H2	L	L1	L2	L3	W	W1	W2	W3
lb/in												
20,000 to 25,000	0.78	6.85	0.75	0.75	10.00	6.00	8.00	7.50	8.00	6.00	6.00	8.00
35,000 to 100,000	1.13	9.42	1.00	1.00	14.00	6.50	9.00	11.50	10.00	7.50	6.50	9.00

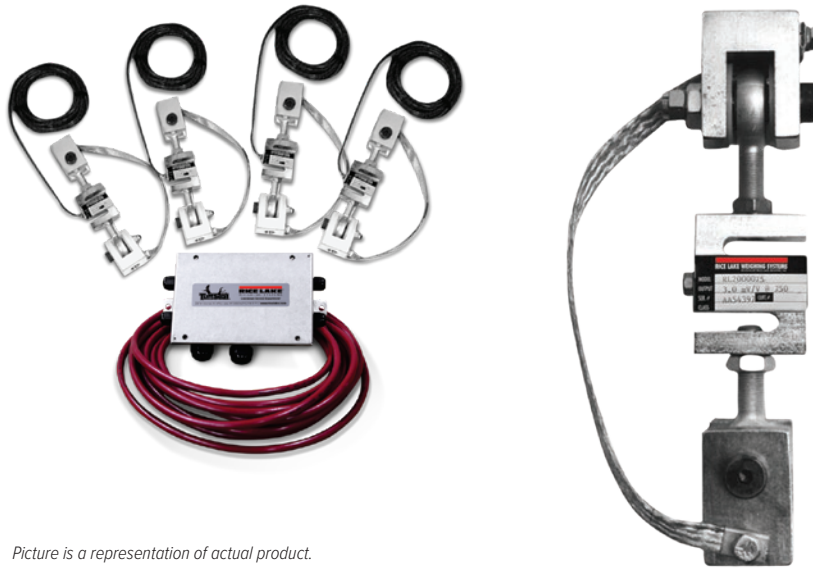


Weigh Modules

TABLE OF CONTENTS

Weigh Modules	33	EZ Mount 1 with	MLC Coated RL72020	64
<i>Mild Steel, Isolated Tension Cell Weigh Module Kit</i>		<i>Stainless Steel, Weigh Module Kit</i>		
ITCM	34	EZ Mount 1 HE	65	
<i>Stainless Steel, Isolated Tension Cell Weigh Module Kit</i>		<i>Stainless Steel, Weigh Module Kit</i>		
ITCM SS	35	RL1600 Series with RL77032	66	
<i>Stainless Steel, Isolated Tension Cell Weigh Module Kit</i>		<i>Cast Iron, Weigh Module Kit</i>		
ITCM HE	36	RL1600 Series with RL77032	67	
<i>Stainless Steel, Isolated Tension Cell Weigh Module Kit</i>		<i>Mild Steel, Weigh Module Kit</i>		
RL50210TA	37	RL1600 Series with RL75016SS	68	
<i>Mild Steel/Stainless Steel, Mini Tank Weigh Module Kit</i>		<i>Stainless Steel, Weigh Module Kit</i>		
65059	39	RL1600 SS Series with RL77032SS	69	
<i>Mild Steel/Stainless Steel, Mini Tank Weigh Module Kit, VPG® Sensortronics®</i>		<i>Stainless Steel, Weigh Module Kit</i>		
RL50219SS-TA	41	RL1600 Series with	MLC Coated RL75016	70
<i>Stainless Steel, Mini Tank Weigh Module Kit</i>		<i>Stainless Steel, Weigh Module Kit</i>		
Paramounts® EP	43	RL1600 HE Series with RL77032SS HE	71	
<i>Zinc Plated, Environmentally Protected, Weigh Module Kit</i>		<i>Stainless Steel, Weigh Module Kit</i>		
Paramounts® HS	45	MVS Mount/MVS	72	
<i>Zinc Plated, Hermetically Sealed, Weigh Module Kit</i>		<i>Mild Steel, Weigh Module Conversion Kit</i>		
RLBTM	47	Translink™ Parallel Link	73	
<i>Mild Steel/Stainless Steel, Weigh Module</i>		<i>Painted Mild Steel, Truck Scale Assembly</i>		
RL1800 Series	48	Motor Truck Scale	74	
<i>Mild Steel/Stainless Steel, Weigh Module Kit</i>		<i>Electronic Weigh Module Conversion Kit</i>		
RL1800 Series with		MagnaMount™	75	
MLC Coated Load Cell	50	<i>Mount Assembly</i>		
<i>Stainless Steel, Weigh Module Kit</i>		Mettler Toledo® DigiTOL® Retrofit Kit	76	
RL1900 Series	51	<i>Stainless Steel, Rice Lake Weighing Systems/Flintec</i>		
<i>Stainless Steel, Weigh Module Kit</i>		Rice Lake Analog Retrofit Kit	78	
RLTM	52	<i>Stainless Steel, Analog Load Cells for Mettler Toledo PDX</i>		
<i>Stainless Steel, Weigh Module Kit</i>		<i>Digital Conversion to Analog</i>		
RL9000TWM Series	53	Rice Lake Analog Retrofit Kit	79	
<i>Stainless Steel, Weigh Module Kit</i>		<i>Stainless Steel, Analog Load Cells for B-Tek Digital Conversion to Analog</i>		
RL9000TWM-HT	56	Electronic Floor Scale Underdeck Kits	80	
<i>Stainless Steel, High Temperature, Weigh Module</i>				
RL2200 Series	57			
<i>Mild Steel, Weigh Module Kit</i>				
RL2200SS Series	58			
<i>Stainless Steel, Weigh Module Kit</i>				
RLC	59			
<i>Stainless Steel, Weigh Module Kit, VPG® Revere</i>				
220 Universal Mount	60			
<i>Stainless Steel, Weigh Module Kit, VPG® Tedea-Huntleigh®</i>				
EZ Mount 1 with RL72020	61			
<i>Mild Steel, Weigh Module Kit</i>				
EZ Mount 1 SS with RL72020SS	63			
<i>Stainless Steel, Weigh Module Kit</i>				

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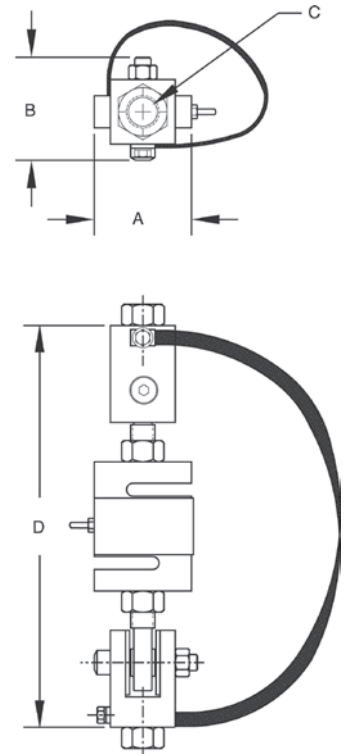
Picture is a representation of actual product.

Load Cell Approvals



Load Rating Dimensions Per Module

Load Cell Capacity	A	B	C	D	Single Module	Price	3-Module Kit	Price	4-Module Kit	Price
lb/in										
100	2.00	1.81	3/8-16 UNC 1/2-13 UNC	7.00 (ref)	17851 17831	\$566.00 \$566.00	18003 18004	\$1,995.00 \$1,995.00	18027 18028	\$2,573.00 \$2,573.00
150	2.00	1.81	3/8-16 UNC 1/2-13 UNC	7.00 (ref)	30337 30336	\$566.00 \$566.00	30357 30358	\$1,995.00 \$1,995.00	30359 30360	\$2,573.00 \$2,573.00
200	2.00	1.81	3/8-16 UNC 1/2-13 UNC	7.00 (ref)	30335 30338	\$566.00 \$566.00	30361 30362	\$1,995.00 \$1,995.00	30363 30364	\$2,573.00 \$2,573.00
250	2.00	1.81	3/8-16 UNC 1/2-13 UNC	7.00 (ref)	17852 17832	\$566.00 \$566.00	18005 18006	\$1,995.00 \$1,995.00	18029 18030	\$2,573.00 \$2,573.00
500	2.68	2.68	1/2-13 UNC 5/8-11 UNC 3/4-10 UNC	9.50 (ref)	17853 17858 17833	\$619.00 \$619.00 \$619.00	18007 18008 18009	\$2,138.00 \$2,138.00 \$2,138.00	18031 18032 18033	\$2,762.00 \$2,762.00 \$2,762.00
750	2.68	2.68	1/2-13 UNC 5/8-11 UNC 3/4-10 UNC	9.50 (ref)	17854 17859 17834	\$619.00 \$619.00 \$619.00	18010 18011 18012	\$2,138.00 \$2,138.00 \$2,138.00	18034 18035 18036	\$2,762.00 \$2,762.00 \$2,762.00
1,000	2.68	2.68	1/2-13 UNC 5/8-11 UNC 3/4-10 UNC	9.50 (ref)	17855 17860 17835	\$619.00 \$619.00 \$619.00	18013 18014 18015	\$2,138.00 \$2,138.00 \$2,138.00	18037 18038 18039	\$2,762.00 \$2,762.00 \$2,762.00
1,500	2.68	2.68	1/2-13 UNC 5/8-11 UNC 3/4-10 UNC	9.50 (ref)	17856 17861 17836	\$619.00 \$609.00 \$609.00	18016 18017 18018	\$2,138.00 \$2,138.00 \$2,138.00	18040 18041 18042	\$2,762.00 \$2,762.00 \$2,762.00
2,000	2.68	2.68	1/2-13 UNC 5/8-11 UNC 3/4-10 UNC	9.50 (ref)	17857 17862 17837	\$609.00 \$619.00 \$619.00	18019 18020 18021	\$2,138.00 \$2,138.00 \$2,138.00	18043 18044 18045	\$2,762.00 \$2,762.00 \$2,762.00
2,500	2.68	2.68	5/8-11 UNC 3/4-10 UNC	9.50 (ref)	17863 17838	\$619.00 \$619.00	18022 18023	\$2,138.00 \$2,138.00	18046 18047	\$2,762.00 \$2,762.00
3,000	3.37	3.37	3/4-10 UNC	10.50 (ref)	30339	\$646.00	30365	\$2,229.00	30366	\$2,873.00
5,000	3.37	3.37	3/4-10 UNC 1-8 UNC	12.25 (ref)	17864 17839	\$842.00 \$842.00	18024 18025	\$2,773.00 \$2,773.00	18048 18049	\$3,657.00 \$3,657.00
10,000	3.37	3.37	1-8 UNC	12.25 (ref)	17840	\$842.00	18026	\$2,773.00	18050	\$3,657.00
15,000	4.00	4.12	1 1/4-7 UNC	18.00 (ref)	17960	\$1,756.00	30353	\$5,642.00	30354	\$7,406.00
20,000	5.00	4.12	1 1/2-6 UNC	20.00 (ref)	17961	\$2,064.00	30355	\$5,642.00	30356	\$8,630.00



Complete Kit Includes

- Three or four ITCM assemblies with RL20000I NTEP Certified S-beam load cells
- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

Standard Features

- Capacities (per module): 100 to 20,000 lb
- Clevis mounts with nylon insulating washers
- Zinc-plated clevis assemblies
- Load cell is completely isolated from stray currents (except 20,000 lb)
- Grounding strap provides alternative path to ground
- Complete package for ease of installation
- Provides correct loading even in difficult installations
- Lower overall height compared to other isolated tension assemblies

Applications

- Suspended hoppers and tanks
- Mechanical scale conversions
- Use as a single module or in multiples



Complete Kit Includes

- Three or four ITCM assemblies with RL20000ST NTEP Certified S-beam load cells
- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

Standard Features

- Capacities (per module): 100 to 5,000 lb
- Clevis mounts with nylon insulating washers
- PTFE lined rod-end ball joints
- Load cell is completely isolated from stray currents
- Grounding strap provides alternative path to ground
- Complete package for ease of installation
- Provides correct loading even in difficult installations
- Lower overall height compared to other isolated tension assemblies

Applications

- Suspended hoppers and tanks
- Mechanical scale conversions
- Use as a single module or in multiples

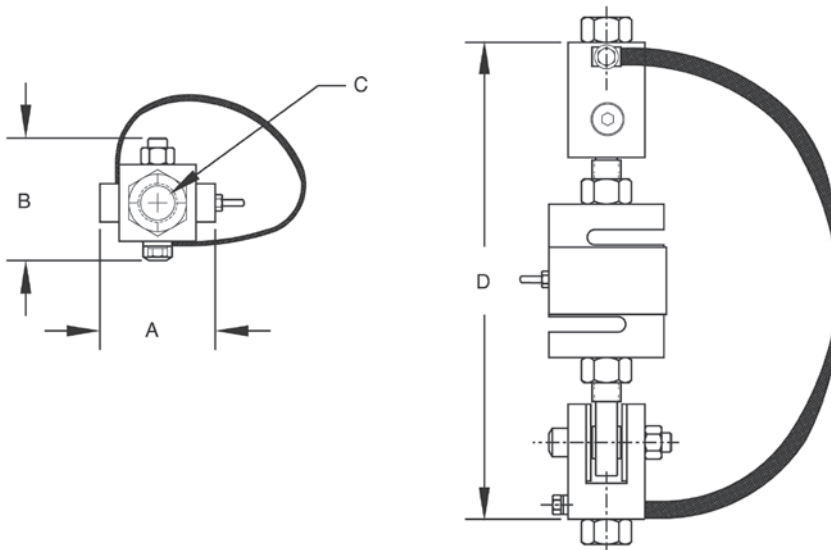
Picture is a representation of actual product.

Load Cell Approvals



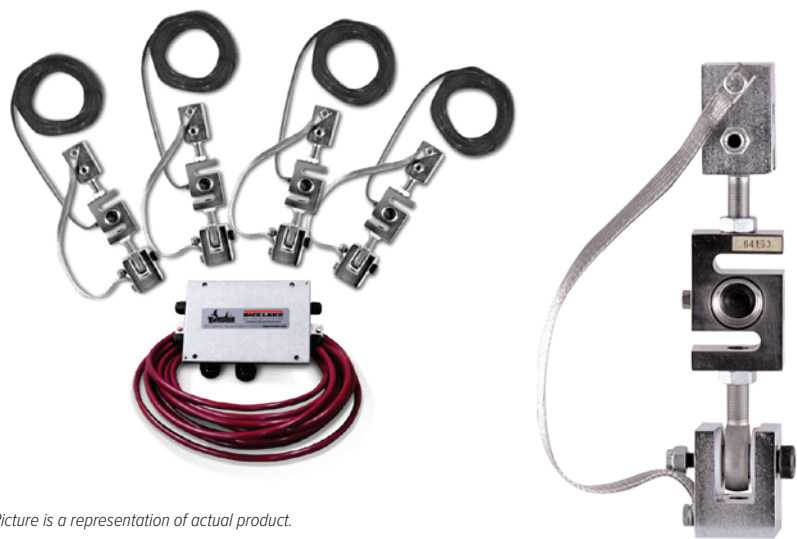
Load Rating Dimensions Per Module

Load Cell Capacity lb/in	A	B	C	D	Single Module	Price	3-Module Kit	Price	4-Module Kit	Price
100	2.00	1.81	3/8-16 UNC 1/2-13 UNC	7.00 (ref)	46765 46766	\$892.00 \$892.00	46735 46736	\$2,809.00 \$2,809.00	46751 46752	\$3,598.00 \$3,598.00
250	2.00	1.81	3/8-16 UNC 1/2-13 UNC	7.00 (ref)	46767 46768	\$892.00 \$892.00	46737 46738	\$2,809.00 \$2,809.00	46753 46754	\$3,598.00 \$3,598.00
500	2.68	2.68	1/2-13 UNC 5/8-11 UNC	9.50 (ref)	46769 46770	\$892.00 \$892.00	46739 46740	\$2,809.00 \$2,809.00	46755 46756	\$3,598.00 \$3,598.00
750	2.68	2.68	1/2-13 UNC 5/8-11 UNC	9.50 (ref)	46771 46772	\$892.00 \$892.00	46741 46742	\$2,809.00 \$2,809.00	46757 46758	\$3,598.00 \$3,598.00
1,000	2.68	2.68	1/2-13 UNC 5/8-11 UNC	9.50 (ref)	46773 46774	\$892.00 \$892.00	46743 46744	\$2,809.00 \$2,809.00	46759 46760	\$3,598.00 \$3,598.00
2,500	2.68	2.68	5/8-11 UNC 3/4-10 UNC	9.50 (ref)	46775 46776	\$892.00 \$892.00	46745 46746	\$2,809.00 \$2,809.00	46761 46762	\$3,598.00 \$3,598.00
3,000	3.37	3.37	3/4-10 UNC	10.75 (ref)	46777	\$962.00	46747	\$3,105.00	46763	\$3,890.00
5,000	3.37	3.37	3/4-10 UNC	12.00 (ref)	46778	\$1,651.00	46748	\$5,103.00	46764	\$6,608.00



ITCM HE

Stainless Steel, Isolated Tension Cell Weigh Module Kit



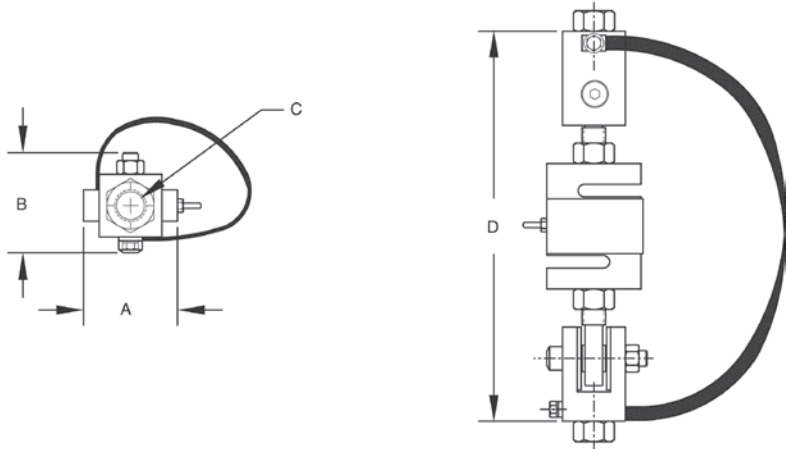
Picture is a representation of actual product.

Load Cell Approvals



Load Rating Dimensions Per Module

Load Cell Capacity	A	B	C	D	Single Module	Price	3-Module Kit	Price	4-Module Kit	Price
lb/in										
500	2.68	2.68	1/2-13 UNC 5/8-11 UNC 3/4-10 UNC	9.50 (ref)	46599	\$1,618.00	46561	\$4,702.00	46580	\$6,269.00
					46600	\$1,618.00	46562	\$4,702.00	46581	\$6,269.00
					46601	\$1,618.00	46563	\$4,702.00	46582	\$6,269.00
750	2.68	2.68	1/2-13 UNC 5/8-11 UNC 3/4-10 UNC	9.50 (ref)	46602	\$1,618.00	46564	\$4,702.00	46583	\$6,269.00
					46603	\$1,618.00	46565	\$4,702.00	46584	\$6,269.00
					46604	\$1,618.00	46566	\$4,702.00	46585	\$6,269.00
1,000	2.68	2.68	1/2-13 UNC 5/8-11 UNC 3/4-10 UNC	9.50 (ref)	46605	\$1,618.00	46567	\$4,702.00	46586	\$6,269.00
					46606	\$1,618.00	46568	\$4,702.00	46587	\$6,269.00
					46607	\$1,618.00	46569	\$4,702.00	46588	\$6,269.00
1,500	2.68	2.68	1/2-13 UNC 5/8-11 UNC 3/4-10 UNC	9.50 (ref)	46608	\$1,618.00	46570	\$4,702.00	46589	\$6,269.00
					46609	\$1,618.00	46571	\$4,702.00	46590	\$6,269.00
					46610	\$1,618.00	46572	\$4,702.00	46591	\$6,269.00
2,000	2.68	2.68	1/2-13 UNC 5/8-11 UNC 3/4-10 UNC	9.50 (ref)	46611	\$1,618.00	46573	\$4,702.00	46592	\$6,269.00
					46612	\$1,618.00	46574	\$4,702.00	46593	\$6,269.00
					46613	\$1,618.00	46575	\$4,702.00	46594	\$6,269.00
2,500	2.68	2.68	5/8-11 UNC 3/4-10 UNC	9.50 (ref)	46614	\$1,618.00	46576	\$4,702.00	46595	\$6,269.00
					46615	\$1,618.00	46577	\$4,702.00	46596	\$6,269.00
3,000	3.37	3.37	3/4-10 UNC	10.00 (ref)	46616	\$1,618.00	46578	\$4,702.00	46597	\$6,269.00
5,000	3.37	3.37	3/4-10 UNC	12.62 (ref)	46617	\$2,399.00	46579	\$7,042.00	46598	\$9,338.00



Complete Kit Includes

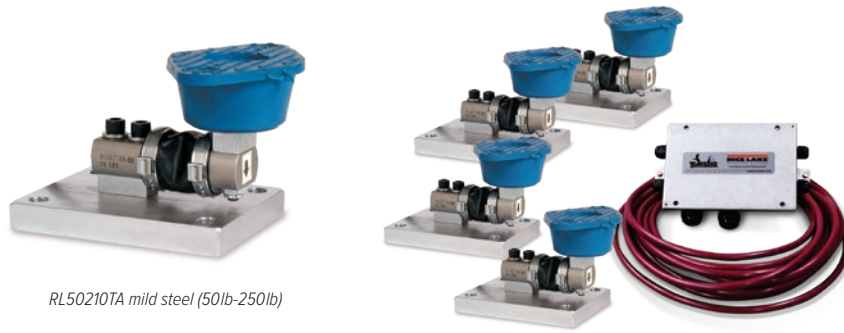
- Three or four ITCM assemblies with RL20001HE NTEP Certified S-beam, stainless steel, welded-seal load cells
- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

Standard Features

- Capacities (per module): 500 to 5,000 lb
- Clevis mounts with nylon insulating washers
- PTFE lined rod-end ball joints
- Load cell is completely isolated from stray currents
- Grounding strap provides alternative path to ground
- Complete package for ease of installation
- Provides correct loading even in difficult installations
- Lower overall height compared to other isolated tension assemblies

Applications

- Suspended hoppers and tanks
- Mechanical scale conversions
- Use as a single module or in multiples



RL50210TA mild steel (50lb-250lb)



Picture is a representation of actual product.

Load Cell Approvals



NTEP Certified 1,000lb mild steel load cell shown.

Complete Kit Includes

- Three or four neoprene isolation/compression mounts with load cells
 - 50 to 250 lb mild steel: RL50210
 - 500 lb mild steel: RL30000, RL50210 or RL50225
 - 1,000 to 2,500 lb mild steel: RL32018
 - 500 lb stainless steel: RL39123 or equivalent
 - 1,000 to 2,500 lb stainless steel: RL32018S
- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

Standard Features

- NTEP Certified load cells (1,000 lb, 2,000 lb and 2,500 lb only)
- Zinc plated mild steel or stainless steel assemblies
- Weighing ranges from 50 to 2,500 lb per module
- Neoprene isolation mounts allow for minor misalignment, thermal expansion and shock absorption
- Overload stop provides durability

Applications

- Small tanks and hoppers
- Conveyor/In-motion weighing
- Small platform scales where minor shock loading may occur

Optional Features

- Stainless steel modules available in 500 lb capacities with RL39123 stainless steel load cells

Order Information

Load Rating (Per Module)	Part #	Price
Non-NTEP Certified Mild Steel Single Module (Includes Load Cell)		
50 lb	17844	\$470.00
100 lb	17845	\$470.00
150 lb	17846	\$470.00
250 lb	17847	\$470.00
500 lb	17848	\$625.00
NTEP Certified Mild Steel Single Module (Includes Load Cell)		
1,000 lb	17849	\$625.00
2,000 lb	17948	\$625.00
2,500 lb	17949	\$625.00
Non-NTEP Certified Mild Steel 3-Module Kit		
50 lb	18051	\$1,645.00
100 lb	18052	\$1,645.00
150 lb	18053	\$1,645.00
250 lb	18054	\$1,645.00
500 lb	18055	\$2,135.00
NTEP Certified Mild Steel 3- Module Kit		
1,000 lb	18056	\$2,135.00
2,000 lb	30398	\$2,135.00
2,500 lb	30396	\$2,135.00
Non-NTEP Certified Mild Steel 4-Module Kit		
50 lb	18057	\$2,115.00
100 lb	18058	\$2,115.00
150 lb	18059	\$2,115.00
250 lb	18060	\$2,115.00
500 lb	18061	\$2,700.00

RL50210TA

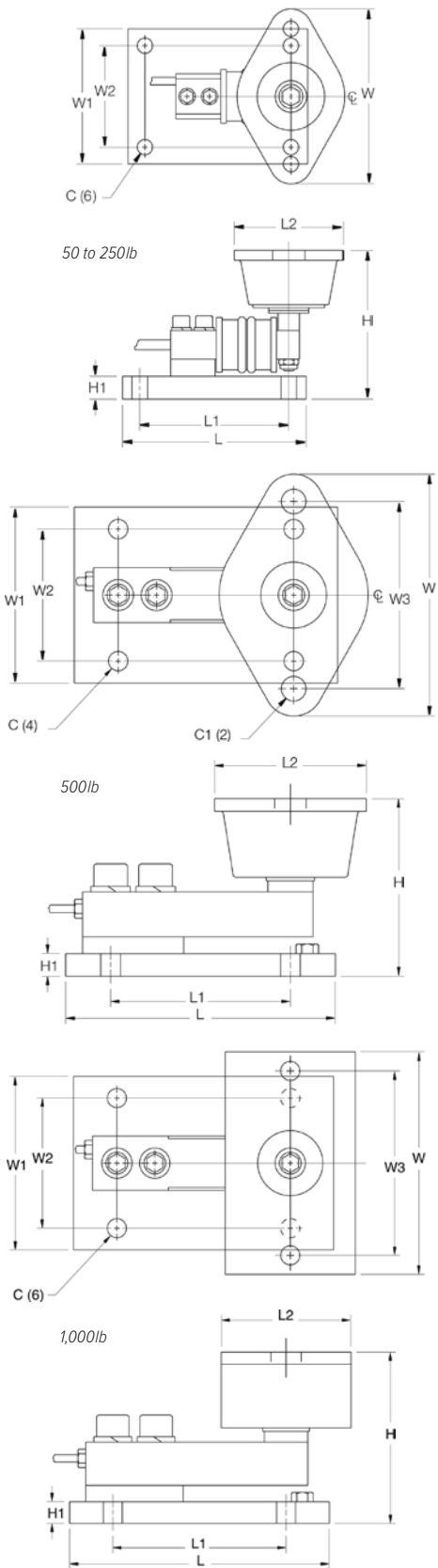
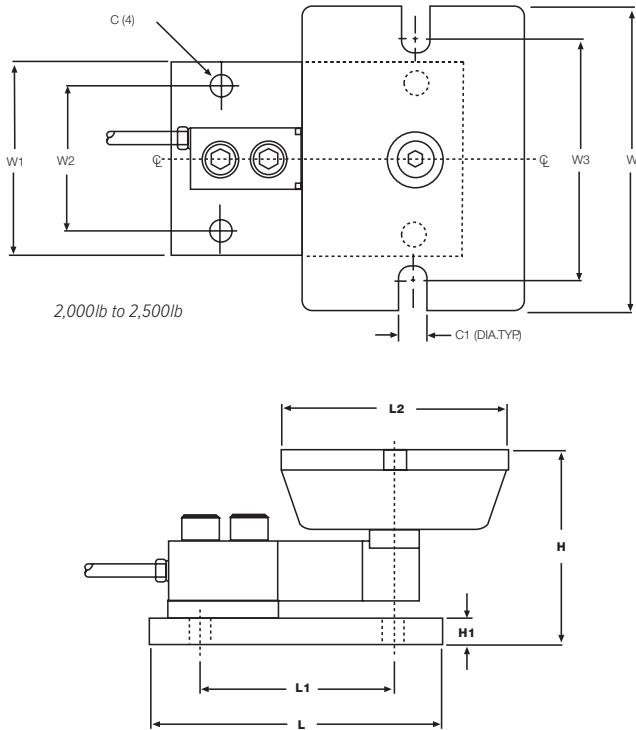
Mild Steel/Stainless Steel, Mini Tank Weigh Module Kit

Order Information

Load Rating (Per Module)	Part #	Price
NTEP Certified Mild Steel 4- Module Kit		
1,000 lb	18062	\$2,700.00
2,000 lb	30397	\$2,700.00
2,500 lb	30395	\$2,700.00
Stainless Steel Single Module (Includes Load Cell)		
500 lb	17954	\$735.00
1,000 lb	17955	\$695.00
2,000 lb	17956	\$695.00
2,500 lb	17957	\$695.00
Stainless Steel 3-Module Kit		
500 lb	30394	\$2,435.00
1,000 lb	30404	\$2,435.00
2,000 lb	30402	\$2,435.00
2,500 lb	30400	\$2,435.00
Stainless Steel 4-Module Kit		
500 lb	30393	\$3,190.00
1,000 lb	30403	\$3,190.00
2,000 lb	30401	\$3,190.00
2,500 lb	30399	\$3,190.00

Dimensions

Rated Capacity	C	C1	H	H1	L	L1	L2	W	W1	W2	W3
lb/in											
50 to 250	0.34	-	3.13	0.50	4.00	3.25	2.38	3.88	3.00	2.25	-
500	0.44	0.56	3.88	0.50	6.00	4.00	3.38	5.50	4.00	3.00	4.13
1,000	0.44	-	4.00	0.50	6.00	4.00	3.00	5.13	4.00	3.00	4.13
2,000 to 2,500	0.44	0.56	4.00	0.50	6.00	4.00	4.62	6.25	4.00	3.00	5.00





NTEP Certified 1,000lb load cell shown.

65059 mild steel (50lb to 250lb)

Picture is a representation of actual product.

Load Cell Approvals1,000 to
2,500 lb

APPROVED

Order Information

Load Rating (Per Module)	Part #	Price
Mild Steel Single Module (Includes Load Cell)		
50 lb	17825	\$470.00
100 lb	17826	\$470.00
150 lb	17827	\$470.00
250 lb	17828	\$470.00
500 lb	17829	\$625.00
1,000 lb	17830	\$625.00
2,000 lb	17946	\$625.00
2,500 lb	17947	\$625.00
Mild Steel 3-Module Kit		
50 lb	18063	\$1,645.00
100 lb	18064	\$1,645.00
150 lb	18065	\$1,645.00
250 lb	18066	\$1,645.00
500 lb	18067	\$2,135.00
1,000 lb	18068	\$2,135.00
2,000 lb	30413	\$2,088.00
2,500 lb	30412	\$2,135.00
Mild Steel 4-Module Kit		
50 lb	18069	\$2,115.00
100 lb	18070	\$2,115.00
150 lb	18071	\$2,115.00
250 lb	18072	\$2,115.00
500 lb	18073	\$2,700.00
1,000 lb	18074	\$2,645.00
2,000 lb	30414	\$2,700.00
2,500 lb	30411	\$2,700.00

Complete Kit Includes

- Three or four neoprene isolation/compression mounts with load cells. (1,000 to 2,500 lb are NTEP Certified)
 - 50 to 250 lb mild steel: 60040
 - 500 lb mild steel: 65023-500-0107
 - 1,000 to 2,500 lb mild steel: 65023A1K-5107
 - 500 lb stainless steel: 65023-500-0113
 - 1,000 to 2,500 lb stainless steel: 65023S1K-5113
- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

Standard Features

- Zinc plated, mild steel modules
- Lower weighing ranges from 50 to 500 lb per module
- Environmentally protected load cells
- 1,000 to 2,500 lb capacities are NTEP Certified
- Neoprene isolation/compression mounts allow for minor misalignment, thermal expansion and shock absorption
- Overload stop for 500 lb modules provides durability

Applications

- Small tanks and hoppers
- Conveyor/In-motion weighing
- Small platform scales where minor shock loading may occur

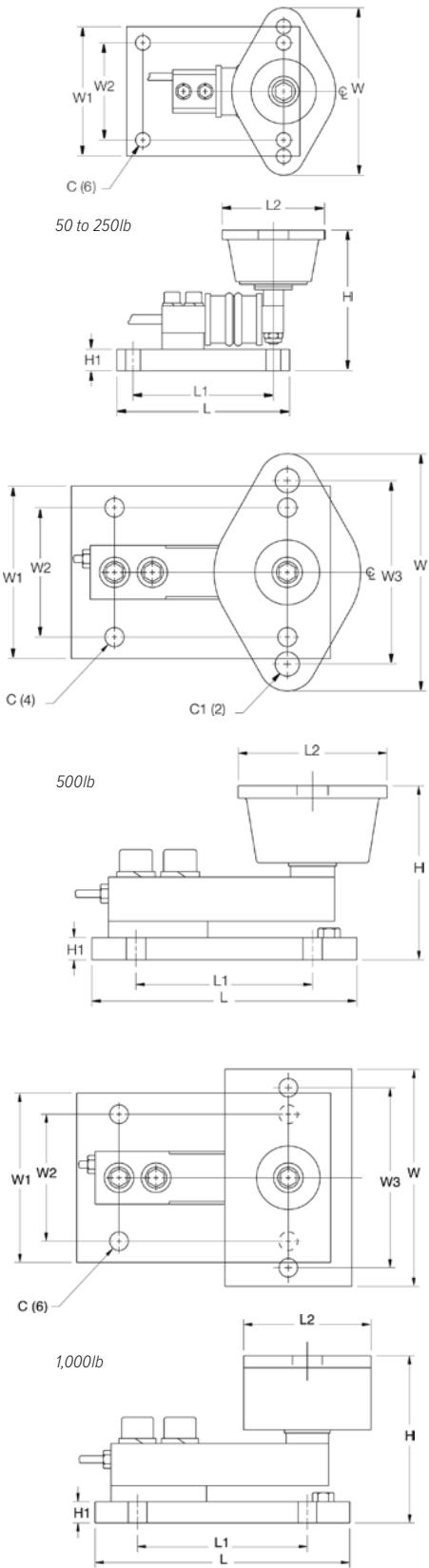
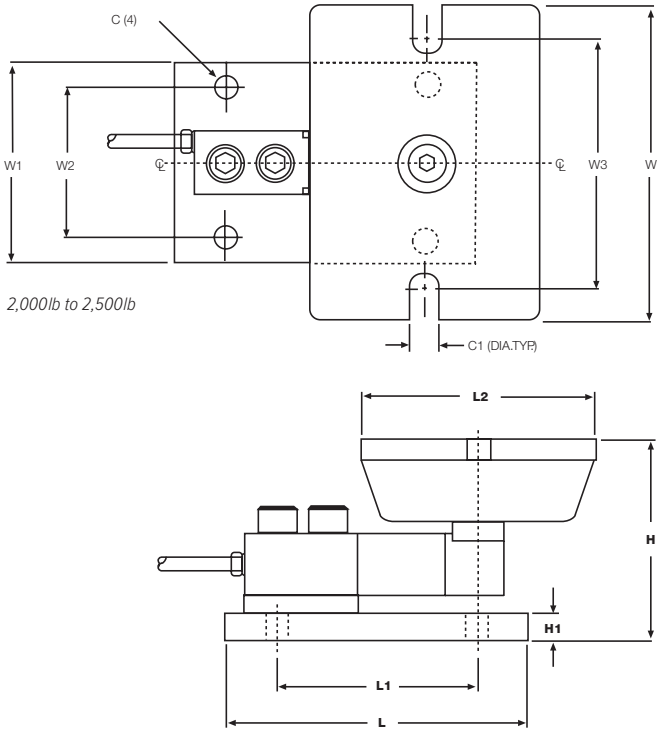
Order Information

Load Rating (Per Module)	Part #	Price
Stainless Steel Single Module (Includes Load Cell)		
500 lb	17950	\$735.00
1,000 lb	17951	\$735.00
2,000 lb	17952	\$735.00
2,500 lb	17953	\$735.00
Stainless Steel 3-Module Kit		
500 lb	30392	\$2,435.00
1,000 lb	30410	\$2,435.00
2,000 lb	30408	\$2,435.00
2,500 lb	30406	\$2,435.00
Stainless Steel 4-Module Kit		
500 lb	30391	\$3,190.00
1,000 lb	30409	\$3,190.00
2,000 lb	30407	\$3,190.00
2,500 lb	30405	\$3,190.00

Dimensions

Rated Capacity	C	C1	H	H1	L	L1	L2	W	W1	W2	W3
lb/in											
50 to 250	0.34	-	3.13	0.50	4.00	3.25	2.38	3.88	3.00	2.25	-
500	0.44	0.56	3.88	0.50	6.00	4.00	3.38	5.50	4.00	3.00	4.13
1,000	0.44	-	4.00	0.50	6.00	4.00	3.00	5.13	4.00	3.00	4.13
2,000 to 2,500	0.44	0.56	4.00	0.50	6.00	4.00	4.62	6.25	4.00	3.00	5.00

WEIGH MODULES



RL50219SS-TA

Stainless Steel, Mini Tank Weigh Module Kit



RL50219SS-TA (50lb-250lb)

Picture is a representation of actual product.

Complete Kit Includes

- Three or four neoprene isolation/compression mounts with load cells
50 to 250 lb model: RL50219SS
500 lb model: multiple stainless steel, single-ended beam modules available
- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

Standard Features

- Stainless steel modules
- Lower weighing ranges from 50 to 500 lb per module
- Environmentally protected load cells
- Neoprene isolation/compression mounts allow for minor misalignment, thermal expansion and shock absorption
- Overload stop for 500 lb modules provides durability

Applications

- Small tanks and hoppers
- Conveyor/In-motion weighing
- Small platform scales where minor shock loading may occur

Order Information

Load Rating (Per Module)	Part #	Price
Single Module (Includes Load Cell)		
50 lb	196829	\$710.00
75 lb	196830	\$710.00
100 lb	196831	\$710.00
150 lb	196832	\$710.00
250 lb	196833	\$710.00
500 lb	17954	\$735.00
3-Module Kit		
50 lb	196840	\$2,410.00
75 lb	196841	\$2,410.00
100 lb	196842	\$2,410.00
150 lb	196843	\$2,410.00
250 lb	196844	\$2,410.00
500 lb	30394	\$2,435.00
4-Module Kit		
50 lb	196845	\$3,115.00
75 lb	197015	\$3,115.00
100 lb	196846	\$3,115.00
150 lb	196848	\$3,115.00
250 lb	196849	\$3,115.00
500 lb	30393	\$3,190.00

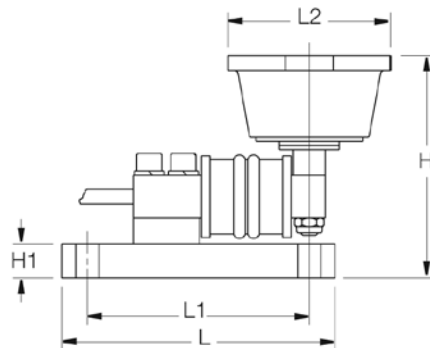
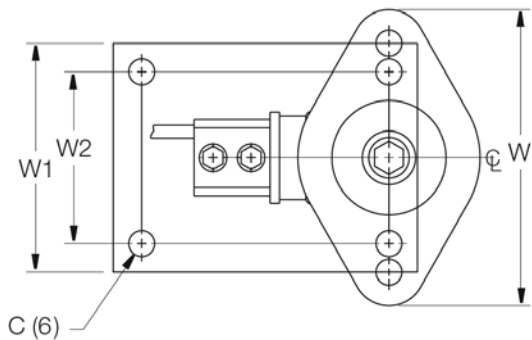
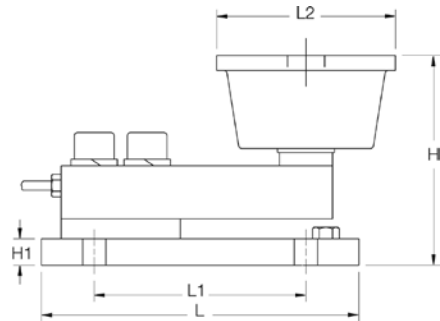
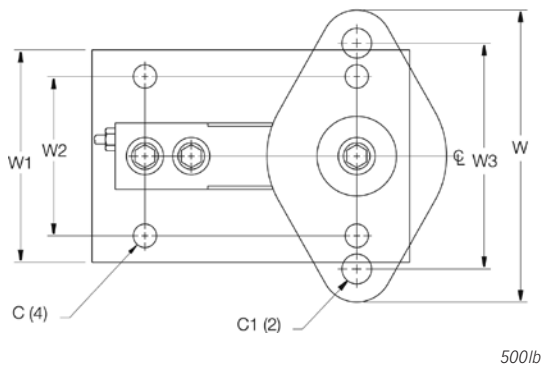
WEIGH MODULES

RL50219SS-TA

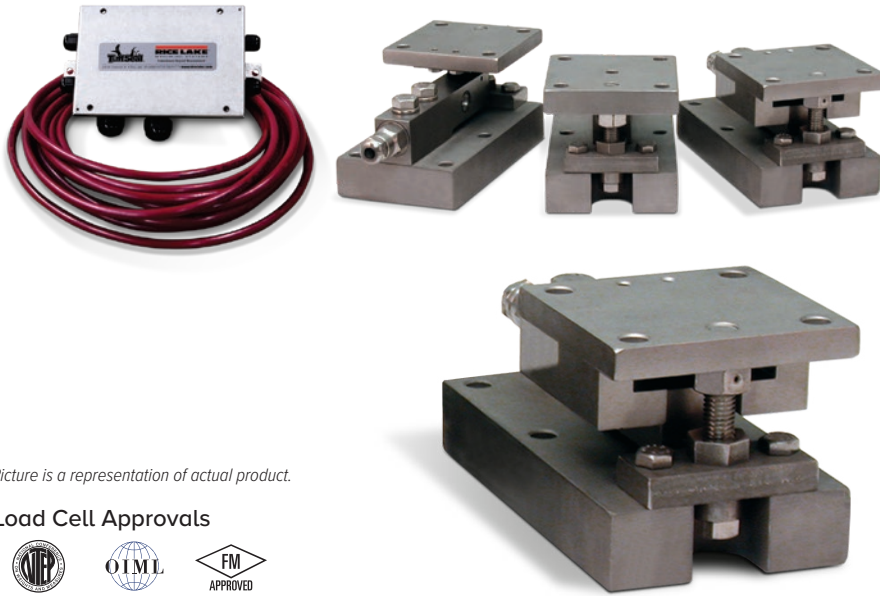
Stainless Steel, Mini Tank Weigh Module Kit

Dimensions

Rated Capacity	C	C1	H	H1	L	L1	L2	W	W1	W2	W3
lb/in											
50 to 250	0.34	-	3.13	0.50	4.00	3.25	2.38	3.88	3.00	2.25	-
500	0.44	0.56	3.88	0.50	6.00	4.00	3.38	5.50	4.00	3.00	4.13



WEIGH MODULES



Picture is a representation of actual product.

Load Cell Approvals



Order Information

Load Rating (Per Module)	Part #	Price
NTEP Certified 3-Module Kits		
5 kN	33683	\$2,665.00
10 kN	33682	\$2,665.00
20 kN	33681	\$2,665.00
50 kN	33680	\$3,055.00
NTEP Certified 4-Module Kits		
5 kN	33678	\$3,553.00
10 kN	33677	\$3,553.00
20 kN	33676	\$3,553.00
50 kN	33675	\$4,372.00
Non-NTEP Certified 3-Module Kit		
100 kN	33679	\$4,832.00
Non-NTEP Certified 4-Module Kit		
100 kN	33674	\$4,832.00

NOTE: 1 kN=224.8 lb

Complete Kit Includes

- One fixed-pin module, one side-stop module, and one or two free-sliding assemblies. Each module is complete with a NTEP Certified Flintec® SB5 stainless steel environmentally protected load cell.
- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

Standard Features

- Capacities (per module): 5 to 20 kN
- NTEP Certified 1:5000 d, Class II load cells
- Unique design allows for thermal expansion/contraction
- Jacking screw allows empty vessel to be lifted clear of load cell for maintenance
- Unique blind load hole eliminates unwanted side and eccentric loads
- Vessel is free to slide laterally on PTFE coated surfaces
- mV/V/ohm load cell outputs allow for replacement without further calibration

Applications

- Light- to medium-capacity tanks and hoppers
- Process measurement and control

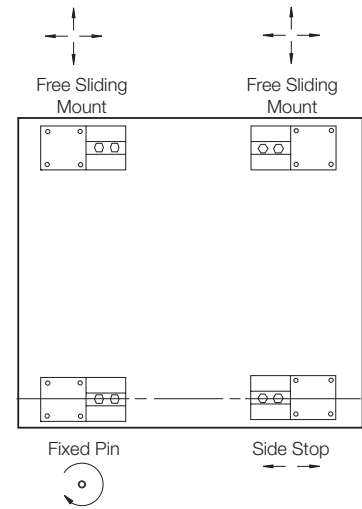
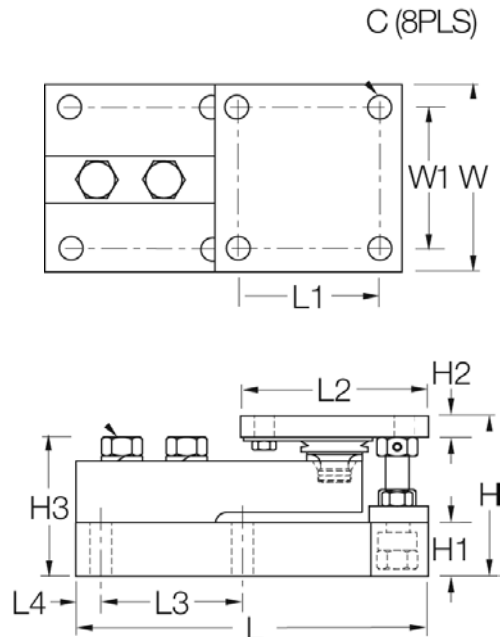
Paramounts® EP

Zinc Plated, Environmentally Protected, Weigh Module Kit

Dimensions

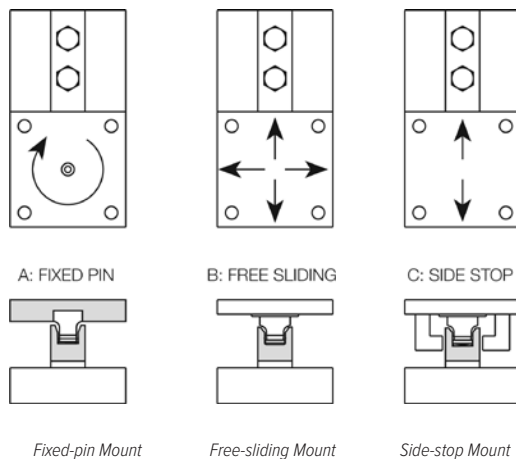
Rated Capacity	C	H	H1	*H2	**H2	H3	L	L1	L2	L3	L4	W	W1
kN/in													
5 to 20	0.44	3.58	1.25	0.50	0.75	3.06	7.51	3.00	4.00	3.00	0.50	4.00	3.00
50	0.56	4.66	1.50	0.62	1.00	4.09	9.19	3.87	5.00	3.87	0.56	5.00	3.87
100	0.69	6.41	2.00	0.75	1.25	5.73	11.46	4.75	6.00	4.75	0.69	6.00	4.75

* Side-stop and free-sliding units ** Fixed-pin units



VESSEL ARRANGEMENT

When arranged as illustrated, the vessel is fixed at one corner but is able to slide freely as indicated. This ensures there is minimal side loading on the cells and at the same time the vessel is self-checking. The unique, patented blind load hole technology used in these mounts introduces the load at the neutral axis of the load cell which helps minimize the effects of side loads.



Fixed-pin Mount

Free-sliding Mount

Side-stop Mount



Picture is a representation of actual product.

Load Cell Approvals



Order Information

Load Rating (Per Module)	Part #	Price
NTEP Certified 3-Module Kit		
5 kN	29871	\$3,370.00
10 kN	29872	\$3,370.00
23 kN	29873	\$3,370.00
50 kN	29874	\$4,000.00
NTEP Certified 4-Module Kit		
5 kN	29875	\$4,535.00
10 kN	29876	\$4,535.00
23 kN	29877	\$4,535.00
50 kN	29878	\$5,135.00
Non-NTEP Certified 3-Module Kit		
5 kN	17977	\$3,265.00
10 kN	17978	\$3,265.00
23 kN	17979	\$3,265.00
50 kN	17980	\$3,962.00
100 kN	17981	\$5,090.00
Non-NTEP Certified 4-Module Kit		
5 kN	17984	\$4,282.00
10 kN	17985	\$4,282.00
23 kN	17986	\$4,282.00
50 kN	17987	\$4,875.00
100 kN	17988	\$6,160.00
Conduit Adapter Kit (must be factory installed to maintain warranty)		
1/2-14 NPT	17703	\$50.00

Complete Kit Includes

- One fixed-pin module, one side-stop module, and one or two free-sliding assemblies. Each module is complete with a Flintec® SB4 NTEP Certified, stainless steel, hermetically sealed load cell.
- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

Standard Features

- Capacities (per module): 5 to 100 kN
- Unique design allows for thermal expansion/contraction
- Jacking screw allows empty vessel to be lifted clear of load cell for maintenance
- Unique blind load hole eliminates unwanted side and eccentric loads
- Vessel is free to slide laterally on PTFE coated surfaces
- Load cell outputs are matched to $\pm 0.07\%$ allowing replacement without further calibration

Applications

- Light- to medium-capacity tanks and hoppers
- Mixers and blenders
- Process measurement and control

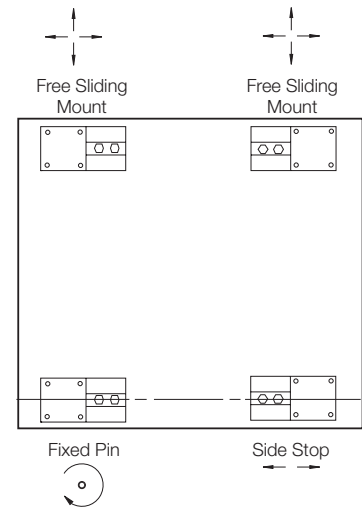
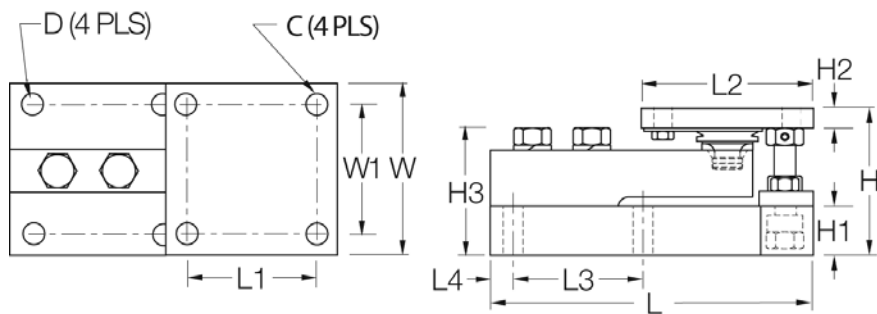
Paramounts® HS

Zinc Plated, Hermetically Sealed, Weigh Module Kit

Dimensions

Rated Capacity	C	D	H	H1	*H2	**H2	H3	L	L1	L2	L3	L4	W	W1
kN/in														
5 to 23	0.44	0.44	3.58	1.25	0.50	0.75	3.06	7.51	3.00	4.00	3.00	0.50	4.00	3.00
50	0.56	0.56	4.66	1.50	0.62	1.00	4.09	9.19	3.87	5.00	3.87	0.56	5.00	3.87
100	0.69	0.69	6.41	2.00	0.75	1.25	5.73	11.46	4.75	6.00	4.75	0.69	6.00	4.75

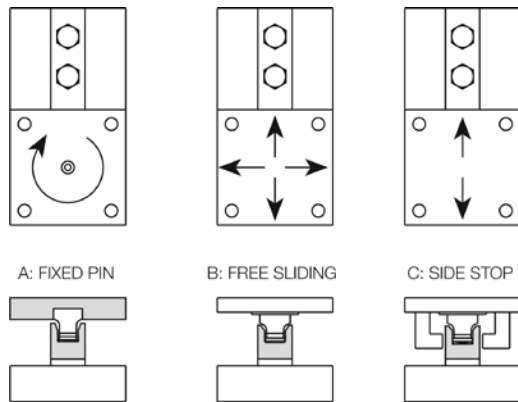
* Side-stop and free-sliding units ** Fixed-pin units



VESSEL ARRANGEMENT

When arranged as illustrated, the vessel is fixed at one corner but is able to slide freely as indicated. This ensures there is minimal side loading on the cells and at the same time the vessel is self-checking. The unique, patented blind load hole technology used in these mounts introduces the load at the neutral axis of the load cell which helps minimize the effects of side loads.

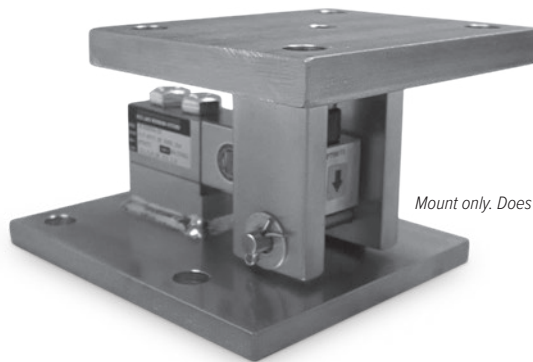
WEIGH MODULES



Fixed-pin Mount

Free-sliding Mount

Side-stop Mount



Mount only. Does not include load cell

Picture is a representation of actual product.

Standard Features

- Capacities (per module): 250 to 5,000 lb SE
- Zinc plated, mild steel construction or stainless steel construction
- Self-checking, multi-directional movement
- Design incorporates a ball and cup for self-centering
- Will accommodate a standard shear beam 250 to 5,000 lb SE load cell that has a threaded load hole, such as the RL30000, RL39123, RL32018, RL32018S, RL32218S-HE

Applications

- Light- to medium-capacity tanks and hoppers
- Conveyors

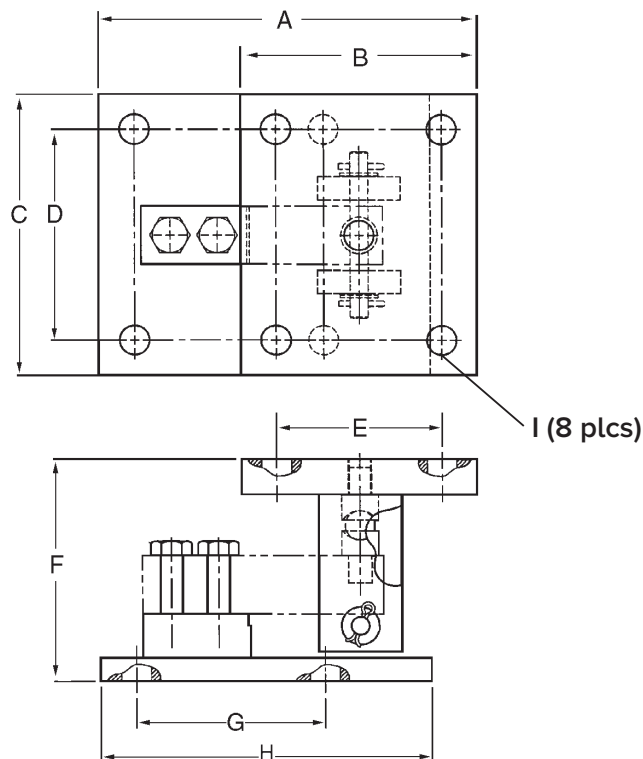
Order Information

Load Rating (Per Module)	Part #	Price
Single Module Mild Steel		
250 to 5,000 lb SE	53059	\$450.00
Single Module Stainless Steel		
250 to 5,000 lb SE	53066	\$675.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	I
lb/in									
250 to 5,000 SE	8.00	5.00	6.00	4.50	3.50	4.75	4.00	7.00	0.63

SE=Small envelope



RL1800 Series

Mild Steel/Stainless Steel, Weigh Module Kit

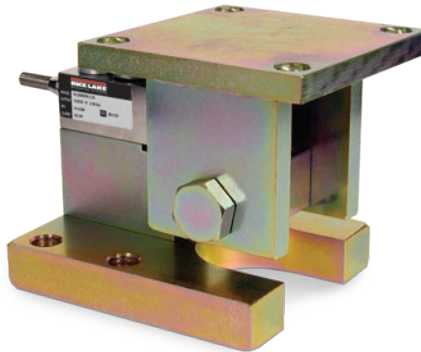


Picture is a representation of actual product.

Load Cell Approvals



Except 250lb



Complete Kit Includes

- Three or four RL1800 mild steel or stainless steel compression mounts with NTEP Certified RL32018 single-ended beam load cells, RL32018S used in stainless steel
- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

Standard Features

- Capacities (per module): 250 to 10,000 lb
- NTEP Certified load cells in 500 to 10,000 lb capacities, except 3,000 lb
- Zinc plated mild steel/stainless steel construction
- Center-pivoted, tension loading design
- Self-checking, multi-directional movement
- Load is suspended on high-strength bolt instead of wire rope
- Design incorporates spherical washers for self centering

Applications

- Conveyors
- Medium-capacity tanks and hoppers
- Mixers and blenders
- Process measurement and control

Mild Steel Order Information

Load Rating (Per Module)	Part #	Price
Single Module (Does NOT Include Load Cell)		
250 to 5,000 lb SE	17817	\$410.00
5,000 LE to 10,000 lb	17819	\$450.00
3-Module Kit		
250 lb*	18075	\$2,350.00
500 lb	18076	\$2,350.00
1,000 lb	18077	\$2,350.00
2,000 lb	18078	\$2,350.00
2,500 lb	18079	\$2,350.00
3,000 lb	18080	\$2,350.00
4,000 lb	18081	\$2,350.00
5,000 lb SE	18082	\$2,350.00
5,000 lb LE	18083	\$2,700.00
10,000 lb	18084	\$2,700.00
4-Module Kit		
250 lb*	18085	\$3,050.00
500 lb	18086	\$3,050.00
1,000 lb	18087	\$3,050.00
2,000 lb	18088	\$3,050.00
2,500 lb	18089	\$3,050.00
3,000 lb	18090	\$3,050.00
4,000 lb	18091	\$3,050.00
5,000 lb SE	18092	\$3,050.00
5,000 lb LE	18093	\$3,500.00
10,000 lb	18094	\$3,500.00

* Non-NTEP

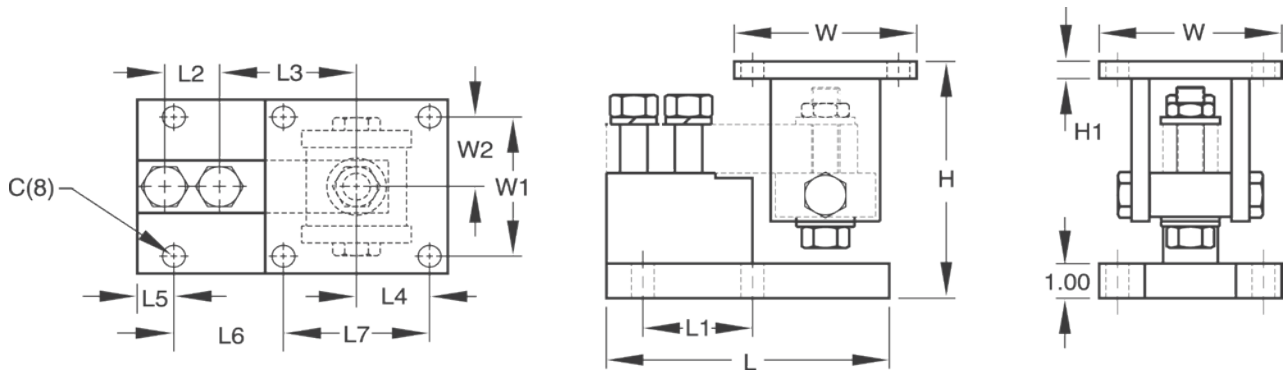
Stainless Steel Order Information

Load Rating (Per Module)	Part #	Price
Single Module (Does NOT Include Load Cell)		
250 to 4,000 lb	17818	\$650.00
5,000 to 10,000 lb	17820	\$695.00
3-Module Kit		
1,000 lb	18095	\$3,190.00
2,000 lb	18096	\$3,190.00
2,500 lb	18097	\$3,190.00
4,000 lb	18099	\$3,190.00
5,000 lb LE	18100	\$3,445.00
10,000 lb	18101	\$3,445.00
4-Module Kit		
1,000 lb	18102	\$4,250.00
2,000 lb	18103	\$4,250.00
2,500 lb	18104	\$4,250.00
4,000 lb	18106	\$4,250.00
5,000 lb LE	18107	\$4,595.00
10,000 lb	18108	\$4,595.00
Dummy Cell		
Dummy load cell 1 k to 5 k SE	22980	\$53.00

Dimensions

Rated Capacity	C	H Min/Max	H1	L	L1	L2	L3	L4	L5	L6	L7	W	W1	W2
Mild Steel Construction														
lb/in														
250 to 5,000 SE	0.62	5.25/5.56	0.50	6.00	2.00	1.00	3.00	2.00	0.68	1.94	4.00	5.00	4.00	2.00
5,000 LE to 10,000	0.62	6.12/6.62	0.50	7.75	3.00	1.50	3.75	2.00	1.03	2.97	4.00	5.00	4.00	2.00
Stainless Steel Construction														
lb/in														
1,000 to 4,000	0.62	5.25/5.56	0.50	6.00	2.00	1.00	3.00	2.00	0.68	1.94	4.00	5.00	4.00	2.00
5,000 to 10,000	0.62	6.12/6.62	0.50	7.75	3.00	1.50	3.75	2.00	1.03	2.97	4.00	5.00	4.00	2.00

SE=Small envelope; LE=Large envelope



RL1800 Series with MLC Coated Load Cell

Stainless Steel, Weigh Module Kit



Picture is a representation of actual product.

Load Cell Approvals



Stainless Steel Order Information

Load Rating (Per Module)	Part #	Price
Single Module (Does NOT Include Load Cell)		
1,000 to 5,000 SE lb	17818	\$650.00
5,000 LE to 10,000 lb	17820	\$695.00
3-Module Kit		
1,000 lb	219894	\$3,150.00
1,500 lb	219896	\$3,150.00
2,000 lb	219898	\$3,150.00
2,500 lb	219900	\$3,150.00
3,000 lb	219902	\$3,150.00
4,000 lb	219904	\$3,150.00
5,000 SE lb	219906	\$3,150.00
5,000 LE lb	219908	\$3,540.00
10,000 lb	219910	\$3,540.00
4-Module Kit		
1,000 lb	219895	\$4,140.00
1,500 lb	219897	\$4,140.00
2,000 lb	219899	\$4,140.00
2,500 lb	219901	\$4,140.00
3,000 lb	219903	\$4,140.00
4,000 lb	219905	\$4,140.00
5,000 SE lb	219907	\$4,140.00
5,000 LE lb	219909	\$4,650.00
10,000 lb	219911	\$4,650.00

Dimensions

Rated Capacity	C	H Min/Max	H1	L	L1	L2	L3	L4	L5	L6	L7	W	W1	W2
lb/in														
1,000 to 5,000 SE	0.62	5.25/5.56	0.50	6.00	2.00	1.00	3.00	2.00	0.68	1.94	4.00	5.00	4.00	2.00
5,000 LE to 10,000	0.62	6.12/6.62	0.50	7.75	3.00	1.50	3.75	2.00	1.03	2.97	4.00	5.00	4.00	2.00

SE=Small envelope; LE=Large envelope

Complete Kit Includes

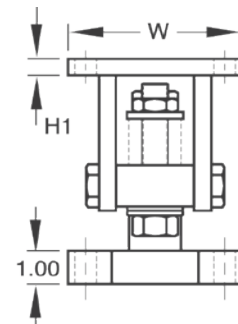
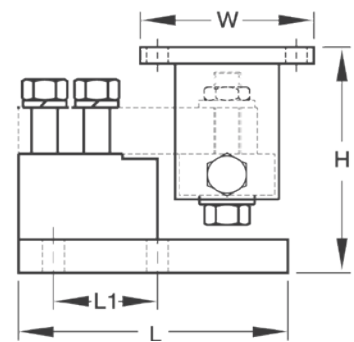
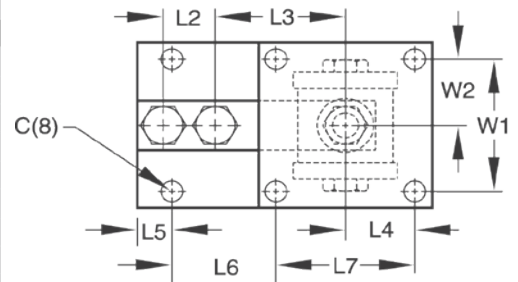
- Three or four RL1800 stainless steel compression mounts with MLC coated RL32018 NTEP Certified single-ended beam load cells
- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

Standard Features

- Capacities (per module): 1,000 to 10,000 lb
- NTEP Certified load cells in 1,000 to 10,000 lb capacities
- Stainless steel mounts
- Center-pivoted, tension loading design
- Self-checking, multi-directional movement
- Load is suspended on high-strength bolt instead of wire rope
- Design incorporates spherical washers for self centering
- Coated load cells for corrosion protection

Applications

- Conveyors
- Medium-capacity tanks and hoppers



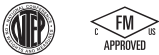
RL1900 Series

Stainless Steel, Weigh Module Kit



Picture is a representation of actual product.

Load Cell Approvals

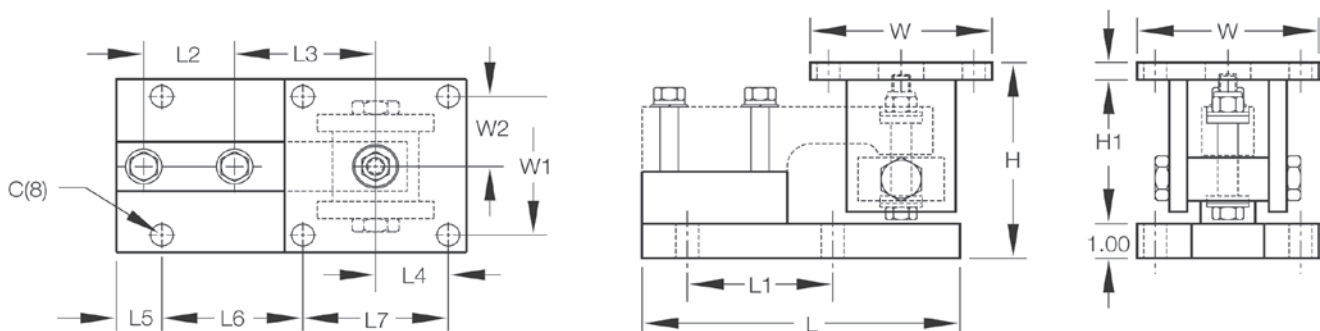


Order Information

Load Rating (Per Module)	Part #	Price
Single Module (Does NOT Include Load Cell)		
1,000 to 5,000 lb	17841	\$715.00
10,000 lb	17843	\$775.00
3-Module Kit		
1,000 lb	18109	\$4,285.00
2,000 lb	18110	\$4,285.00
5,000 lb	18111	\$4,285.00
10,000 lb	18112	\$4,770.00
4-Module Kit		
1,000 lb	18113	\$5,710.00
2,000 lb	18114	\$5,710.00
5,000 lb	18115	\$5,710.00
10,000 lb	18116	\$5,710.00

Dimensions

Rated Capacity C	H Min/Max	H1	L	L1	L2	L3	L4	L5	L6	L7	W	W1	W2
lb/in													
1,000 to 5,000	0.62	5.38/5.62	0.50	8.75	4.00	2.50	3.88	2.00	1.12	4.00	4.00	5.00	4.00
10,000	0.81	6.88/7.50	1.00	9.75	5.00	2.63	4.88	2.25	1.00	5.00	4.50	6.00	4.50



Complete Kit Includes

- Three or four RL1900 stainless steel compression mounts with RLSSB NTEP Certified welded stainless steel single-ended beam load cells
- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

Standard Features

- Capacities (per module): 1,000 to 10,000 lb
- NTEP Certified load cells, 1:5000 d, Class III single cell
- Stainless steel construction
- Mild steel top plate
- Low-profile design
- Center-pivoted, tension loading design
- Welded-seal stainless steel load cells, IP67
- Self-checking, multi-directional movement
- Easy load cell replacement
- Load is suspended on a high-strength bolt instead of wire rope
- Design incorporates spherical washers
- Compatible with VPG® Reverse SSB load cells
- Stainless steel top plates optional

Applications

- Medium-capacity tanks, bins and hoppers
- Washdown or corrosive applications

WEIGH MODULES

RLTM

Stainless Steel, Weigh Module Kit



Picture is a representation of actual product.

Load Cell Approvals

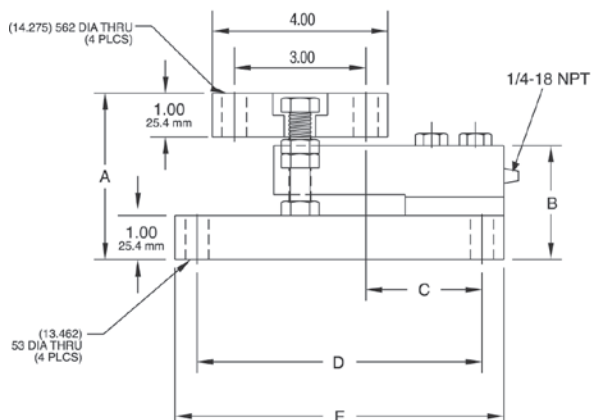


Order Information

Load Rating (Per Module)	Part #	Price
Single Module (Includes Load Cell)		
500 lb	159288	\$1,085.00
1,250 lb	159289	\$1,085.00
2,500 lb	159290	\$1,085.00
5,000 lb	159291	\$1,310.00
10,000 lb	159292	\$1,310.00
3-Module Kit		
500 lb	162942	\$3,375.00
1,250 lb	162944	\$3,375.00
2,500 lb	162945	\$3,375.00
5,000 lb	162946	\$4,180.00
10,000 lb	162947	\$4,180.00
4-Module Kit		
500 lb	162948	\$4,465.00
1250 lb	162949	\$4,465.00
2500 lb	162950	\$4,465.00
5000 lb	162951	\$5,375.00
10,000 lb	162953	\$5,375.00

Dimensions

Rated Capacity	A	B	C	D	E
lb/in					
500 to 2,500	3.77	2.59	2.62	6.50	7.50
5,000	3.99	2.83	2.62	6.50	7.50
10,000	4.27	3.08	3.88	7.50	8.50



Complete Kit Includes

- Three or four Rice Lake RLTM stainless steel mounting assemblies with RL32018S-T NTEP Certified, welded-seal stainless steel load cells
- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

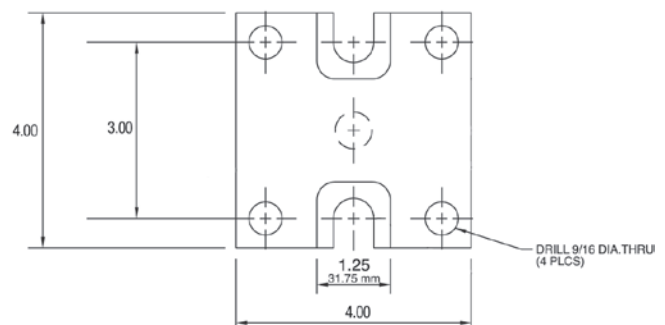
Standard Features

- Capacities (per module) 500 to 10,000 lb
- NTEP Certified load cells, 1:5,000 d, Class III multiple cell
- Stainless steel construction
- Overload and uplift protection
- Rocker pin loading
- Integral lateral stops

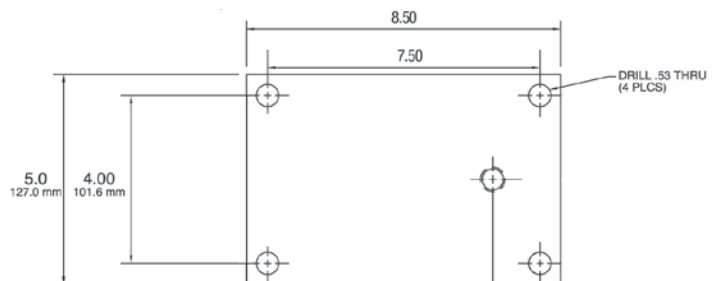
Applications

- Lower capacity tank and vessel weighing
- Process control and batching

TOP PLATE



BASE PLATE



RL9000TWM Series

Stainless Steel, Weigh Module Kit



Picture is a representation of actual product.

Load Cell Approvals



Complete Kit Includes

- Three or four stainless steel mounting assemblies with RL9000TWM compression disk load cells
- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

Standard Features

- Capacities (per module): 1,000 to 450,000 lb
- Stainless steel construction
- Mild steel base plates (stainless steel available on some capacities)
- Low-profile design
- Self-centering
- Self-checking assembly
- Offers 100% side load, 100% uplift and 150% static safe load and 300% ultimate static overload protection
- Weighs accurately with up to 3° non-parallel load

Applications

- Tank, hopper or vessel weighing

Specifications

Full Scale Output:

3.0 ($\pm 0.1\%$) mV/V

Bridge Resistance:

350 ohm

Material/Finish:

Stainless steel

Temperature:

Operating:
0 °F to 150 °F (-17 °C to 65 °C)

Seal Type:

Welded-seal, IP67

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC

Nonlinearity:

1,000 to 100,000 lb: 0.05% FS
150,000 to 450,000 lb: 0.1% FS

Insulation Resistance:

5,000 megohm

Non-repeatability:

1,000 to 100,000 lb: 0.02% full scale
150,000 to 450,000 lb: 0.03% full scale

Cable Length:

25 ft

Deflection at Capacity:

1,000 to 15,000 lb: 0.002 in
20,000 to 50,000 lb: 0.004 in
60,000 to 200,000 lb: 0.007 in
250,000 to 450,000 lb: 0.009 in

Cable Color Code:

Green +Excitation
Black -Excitation
White +Signal
Red -Signal

Warranty:

Two-year limited

RL9000TWM Series

Stainless Steel, Weigh Module Kit

Order Information

Load Rating (Per Module)	Part #	Price
Single Module		
1,000 lb	84353	\$725.00
2,500 lb	84354	\$725.00
5,000 lb	84355	\$725.00
10,000 lb	84356	\$725.00
15,000 lb	84357	\$725.00
20,000 lb	84358	\$1,375.00
25,000 lb	84359	\$1,375.00
35,000 lb	84360	\$1,375.00
50,000 lb	84361	\$1,375.00
60,000 lb	84362	\$2,285.00
75,000 lb	84363	\$2,285.00
100,000 lb	84364	\$2,285.00
150,000 lb	84365	\$4,650.00
200,000 lb	84366	\$4,650.00
250,000 lb	84368	\$6,800.00
300,000 lb	84369	\$6,800.00
400,000 lb	84370	\$6,800.00
450,000 lb	84371	\$6,750.00
3-Module Kit		
1,000 lb	98974	\$2,400.00
2,500 lb	98980	\$2,400.00
5,000 lb	98981	\$2,400.00
10,000 lb	98982	\$2,400.00
15,000 lb	98983	\$2,400.00
20,000 lb	98984	\$4,350.00
25,000 lb	98985	\$4,350.00
35,000 lb	98986	\$4,350.00
50,000 lb	98987	\$4,350.00
60,000 lb	98988	\$7,005.00
75,000 lb	98989	\$7,005.00
100,000 lb	98990	\$7,005.00
150,000 lb	98991	\$14,085.00
200,000 lb	98992	\$14,085.00
250,000 lb	98993	\$20,565.00
300,000 lb	98994	\$20,565.00
400,000 lb	98995	\$20,565.00
450,000 lb	98996	\$20,415.00
4-Module Kit		
1,000 lb	98997	\$3,030.00
2,500 lb	98998	\$3,030.00
5,000 lb	98999	\$3,030.00
10,000 lb	99000	\$3,030.00
15,000 lb	99001	\$3,030.00
20,000 lb	99002	\$5,630.00
25,000 lb	99003	\$5,630.00
35,000 lb	99004	\$5,630.00
50,000 lb	99005	\$5,630.00
60,000 lb	99006	\$9,230.00
75,000 lb	99007	\$9,230.00
100,000 lb	99008	\$9,230.00
150,000 lb	99009	\$18,635.00
200,000 lb	99010	\$18,635.00
250,000 lb	99011	\$27,250.00
300,000 lb	99012	\$27,250.00
400,000 lb	99013	\$27,250.00
450,000 lb	99014	\$27,250.00

Load Rating (Per Module)	Part #	Price
Top Plates (Stainless Steel) with bolts		
1,000 to 15,000 lb	91207	\$135.00
20,000 to 50,000 lb	91210	\$295.00
60,000 to 100,000 lb	91211	\$485.00
150,000 to 200,000 lb	91213	\$740.00
250,000 to 450,000 lb	91215	\$1,725.00
Top Plates (Mild Steel) with bolts		
1,000 to 15,000 lb	124758	\$65.00
20,000 to 50,000 lb	125141	\$120.00
60,000 to 100,000 lb	124759	\$175.00
150,000 to 200,000 lb	124760	\$275.00
250,000 to 450,000 lb	124761	\$388.00
Dummy Weigh Modules (non-functioning)		
1,000 to 10,000 lb	158749	\$115.00
15,000 lb	158750	\$140.00
20,000 to 50,000 lb	158752	\$155.00
60,000 to 100,000 lb	158753	\$175.00
150,000 to 200,000 lb	158754	\$425.00
250,000 to 450,000 lb	158755	\$450.00

150,000 to 450,000lb have mild steel painted base plates

Order Information

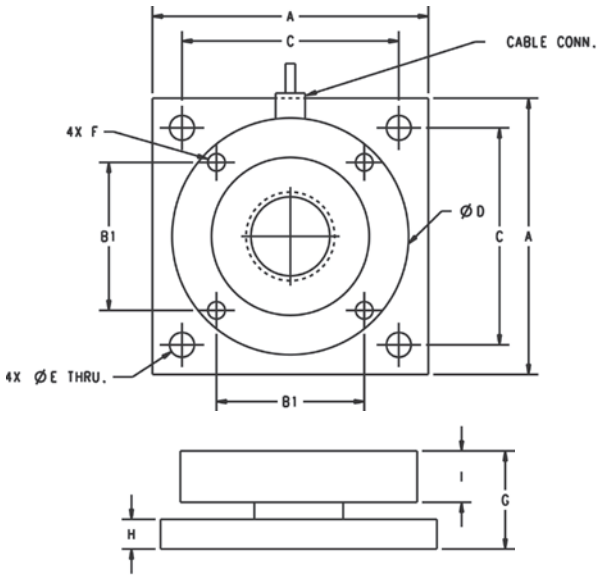
Capacity	Thickness	Material	Part #	Price
Shims				
1,000 to 15,000 lb	0.0625	SST	167001	\$6.00
1,000 to 15,000 lb	0.125	SST	167002	\$8.00
1,000 to 15,000 lb	0.250	SST	167003	\$11.00
1,000 to 15,000 lb	0.0625	MS	167004	\$2.50
1,000 to 15,000 lb	0.125	MS	167005	\$2.75
1,000 to 15,000 lb	0.250	MS	167006	\$3.25
20,000 to 50,000 lb	0.0625	SST	167008	\$15.00
20,000 to 50,000 lb	0.125	SST	167009	\$22.00
20,000 to 50,000 lb	0.250	SST	167010	\$34.00
20,000 to 50,000 lb	0.0625	MS	167011	\$9.00
20,000 to 50,000 lb	0.125	MS	167012	\$9.00
20,000 to 50,000 lb	0.250	MS	167013	\$10.00
60,000 to 100,000 lb	0.0625	SST	167014	\$24.00
60,000 to 100,000 lb	0.125	SST	167015	\$34.00
60,000 to 100,000 lb	0.250	SST	167016	\$53.00
150,000 to 200,000 lb	0.0625	SST	167020	\$32.00
150,000 to 200,000 lb	0.125	SST	167021	\$40.00
150,000 to 200,000 lb	0.250	SST	167022	\$65.00
250,000 to 450,000 lb	0.0625	SST	167026	\$40.00
250,000 to 450,000 lb	0.125	SST	167027	\$58.00
250,000 to 450,000 lb	0.250	SST	167028	\$75.00

Shims match dimensions of base plate and optional top plate

WEIGH MODULES

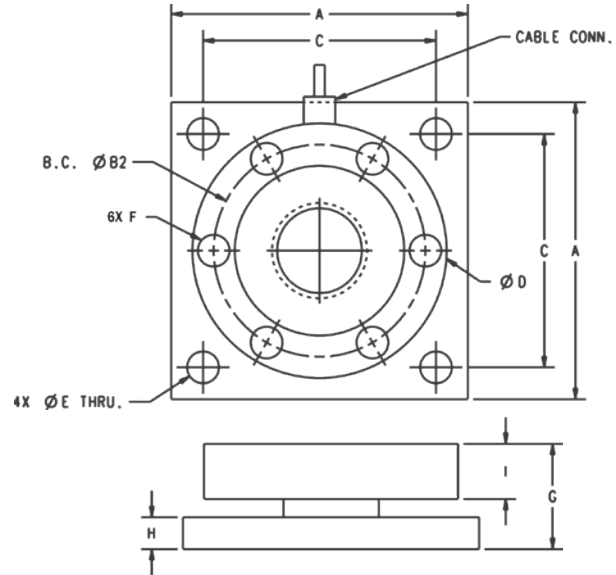
RL9000TWM Series

Stainless Steel, Weigh Module Kit



Dimensions

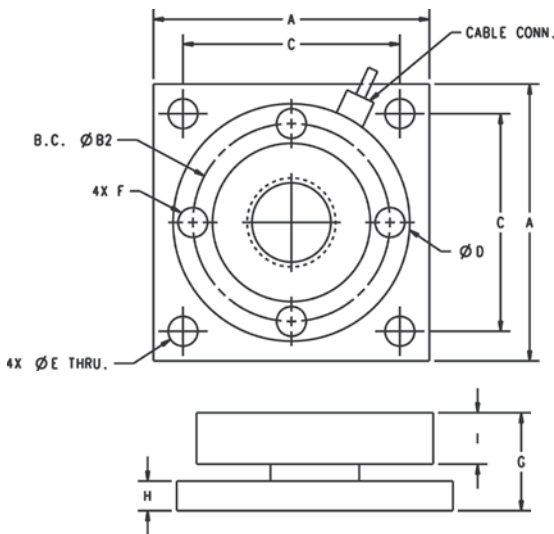
Rated Capacity	A	B1	C	D	E	F	G	H	I	Conduit Adapter
lb/in										
1,000 to 10,000	4.00	2.00	3.25	3.50	0.40	3/8-16 UNC	1.35	0.375	0.75	-
15,000	4.00	2.00	3.25	3.50	0.40	3/8-16 UNC	1.60	0.625	0.75	-
20,000 to 50,000	7.00	3.75	5.50	6.00	0.63	1/2-13 UNC	2.48	0.75	1.30	1/2-14 NPT
60,000 to 100,000	8.00	4.25	6.50	7.00	0.81	3/4-16 UNC	2.50	1.00	1.30	1/2-14 NPT



Dimensions

Rated Capacity	A	B2	C	D	E	F	G	H	I	Conduit Adapter
lb/in										
250,000 to 450,000	11.00	7.75	9.00	9.00	1.30	7/8-14 UNF	6.42	3.00	2.25	1/2-14 NPT

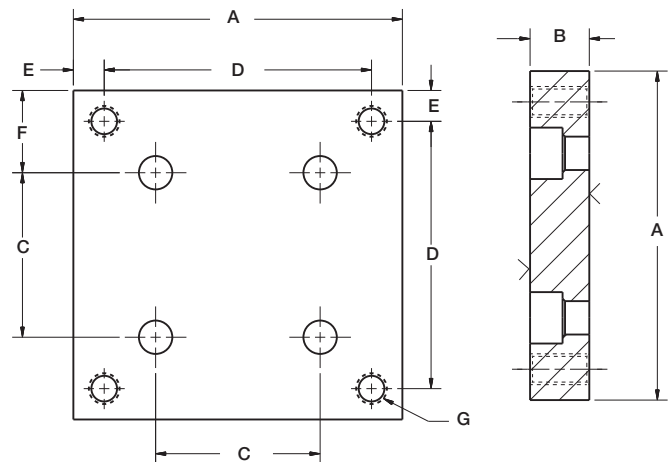
WEIGH MODULES



Dimensions

Rated Capacity	A	B2	C	D	E	F	G	H	I	Conduit Adapter
lb/in										
150,000 to 200,000	10.0	7.825	8.00	9.00	1.10	1-14 UNF	4.75	2.00	1.70	1/2-14 NPT

Optional Top Plates



Dimensions

Rated Capacity	A	B	C	D	E	F	G
lb/in							
1,000 to 15,000	4.00	0.72	2.00	3.25	0.38	1.00	3/8-16 UNC
20,000 to 50,000	7.00	0.97	3.75	5.50	0.75	1.62	5/8-11 UNC
60,000 to 100,000	8.00	1.46	4.25	6.50	0.75	1.88	3/4-16 UNF
150,000 to 200,000	10.00	1.94	5.53	8.00	1.00	2.25	1-14 UNS
250,000 to 450,000	11.00	2.94	7.75 B.C.	9.00	1.00	1.00	1-1/4-12 UNF

RL9000TWM-HT

Stainless Steel, High Temperature, Weigh Module



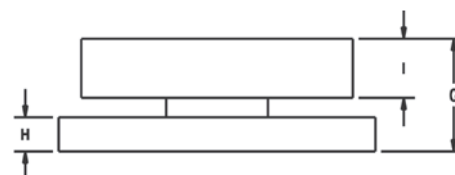
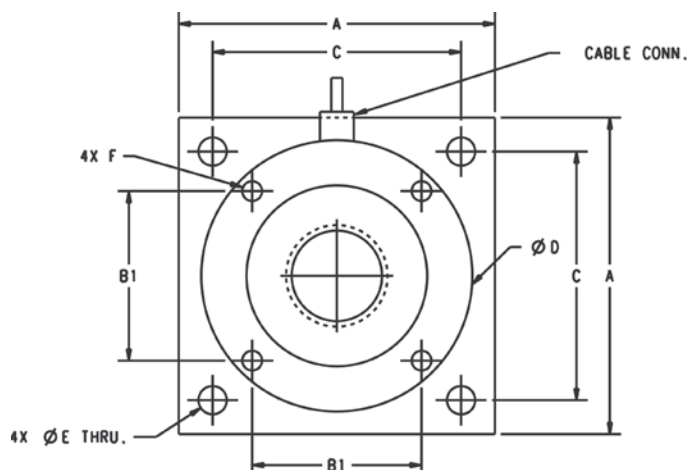
Picture is a representation of actual product.

Order Information

Load Rating (per module)	Part #	Price
Single Module		
1,000 lb	117050	\$1,300.00
2,500 lb	117051	\$1,300.00
5,000 lb	117052	\$1,300.00
10,000 lb	117140	\$1,285.00
15,000 lb	117053	\$1,300.00
20,000 lb	117054	\$2,075.00
25,000 lb	117055	\$2,075.00
35,000 lb	117056	\$2,075.00
50,000 lb	117057	\$2,075.00
Top Plates (Stainless Steel) with bolts		
1,000 to 15,000 lb	91207	\$135.00
20,000 to 50,000 lb	91210	\$295.00
Top Plates (Mild Steel) with bolts		
1,000 to 15,000 lb	124758	\$65.00
20,000 to 50,000 lb	125141	\$120.00

Dimensions

Rated Capacity	A	B1	C	D	E	F	G	H	I	Conduit Adapter
lb/in										
1,000 to 10,000	4.00	2.00	3.25	3.50	0.40	3/8-16 UNC	1.35	0.375	0.75	-
15,000	4.00	2.00	3.25	3.50	0.40	3/8-16 UNC	1.60	0.625	0.75	-
20,000 to 50,000	7.00	3.75	5.50	6.00	0.63	1/2-13 UNC	2.48	0.750	1.30	1/2-14NPT



Standard Features

- Capacities: 1,000 to 50,000 lb
- Stainless steel construction
- Low-profile design
- Self-centering
- Self-checking assembly
- Offers 100% side load, 100% uplift, 150% safe load and 300% ultimate overload protection
- Weighs accurately with up to 3° non-parallel load

Applications

- Tank, hopper, or vessel weighing
- High temperature applications

Optional Features

- Stainless steel top plates
- Higher capacities available upon request

Specifications

Full Scale Output:

3.0 (± 0.1%) mV/V

Bridge Resistance:

700 ohm

Material/Finish:

Stainless steel

Temperature:

Operating:
0 °F to 400 °F (-17 °C to 204 °C)

Seal Type:

Welded seal, IP67

Safe Overload:

150% full scale

Nonlinearity:

0.01% full scale

Insulation Resistance:

5,000 megohm

Non-repeatability:

0.02% full scale

Deflection at Capacity:

1,000 to 15,000 lb: 0.002 in
20,000 to 50,000 lb: 0.004 in

Cable Length:

25 ft PTFE jacket

Cable Color Code:

Green +Excitation
Black -Excitation
White +Signal
Red -Signal

Warranty:

Two-year limited

RL2200 Series

Mild Steel, Weigh Module Kit



Picture is a representation of actual product.

Order Information

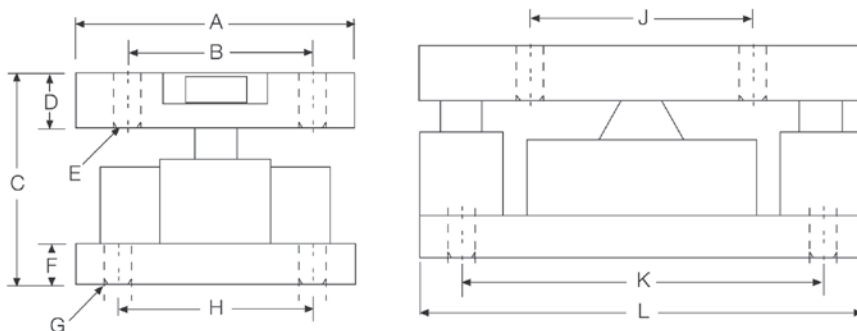
Load Rating (Per Module)	Part #	Price
Single Module		
2,500 lb	76656	\$1,965.00
5,000 lb	45849	\$1,965.00
10,000 lb	45848	\$1,965.00
25,000 lb	45847	\$2,650.00
50,000 lb	45846	\$2,650.00
3-Module Kit		
2,500 lb	76897	\$5,875.00
5,000 lb	42811	\$5,875.00
10,000 lb	42812	\$5,875.00
25,000 lb	42813	\$7,580.00
50,000 lb	42814	\$7,580.00
4-Module Kit		
2,500 lb	76898	\$7,770.00
5,000 lb	42815	\$7,770.00
10,000 lb	42816	\$7,770.00
25,000 lb	42817	\$8,995.00
50,000 lb	42818	\$8,995.00

Replacement Load Cell Order Information

Load Rating (Per Module)	Part #	Price
2,500 lb	76654	\$1,325.00
5,000 lb	45708	\$1,325.00
10,000 lb	45709	\$1,325.00
25,000 lb	45710	\$1,669.00
50,000 lb	45711	\$1,669.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	J	K	L
lb/in											
2,500 to 10,000	5.00	3.50	4.00	1.00	0.52	1.00	0.52	3.50	4.00	6.50	8.00
25,000 to 50,000	6.00	4.50	5.00	1.25	0.78	1.00	0.78	4.50	5.00	7.75	10.00



Complete Kit Includes

- Three or four RL2200 high-alloy, zinc-plated steel mounting assemblies with RL2200 compression disk load cells
- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

Standard Features

- Capacities (per module): 2,500 to 50,000 lb
- Low-profile design
- Self-centering in all directions, able to withstand excessive side loads
- Self-checking assembly

Applications

- Tank, hopper or vessel weighing
- Belt or roller conveyors
- Scale platforms and screw feeders

Specifications

Full Scale Output:

4.0 mV/V
2.0 mV/V (2,500 lb)

Bridge Resistance:

350 ohm nominal

Material/Finish:

High-alloy steel, painted

Temperature:

Compensated:
15 °F to 115 °F (-9 °C to 46 °C)

Seal Type:

Environmentally sealed

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC (20 V maximum)

Nonlinearity:

0.05% full scale

Hysteresis:

0.03% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

30 ft

Cable Color Code:

Red +Excitation
Black -Excitation
White +Signal
Green -Signal

Warranty:

Two-year limited

WEIGH MODULES

RL2200SS Series

Stainless Steel, Weigh Module Kit



Picture is a representation of actual product.

Order Information

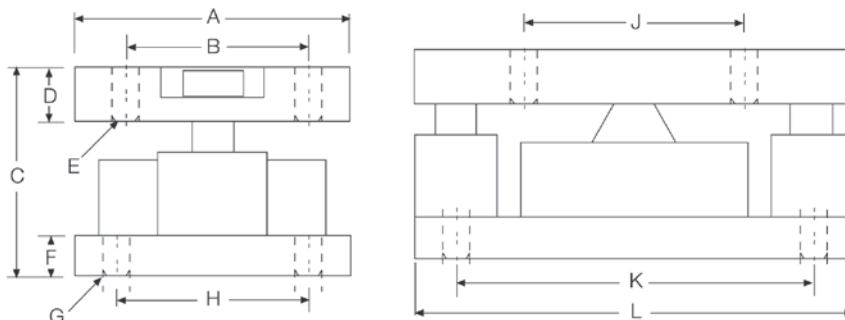
Load Rating (Per Module)	Part #	Price
Single Module		
2,500 lb	76657	\$2,765.00
5,000 lb	45845	\$2,765.00
10,000 lb	45844	\$2,765.00
25,000 lb	45843	\$4,680.00
50,000 lb	45842	\$4,680.00
3-Module Kit		
2,500 lb	76899	\$7,865.00
5,000 lb	46478	\$7,865.00
10,000 lb	46479	\$7,865.00
25,000 lb	46480	\$13,710.00
50,000 lb	46481	\$13,710.00
4-Module Kit		
2,500 lb	76900	\$10,400.00
5,000 lb	46482	\$10,400.00
10,000 lb	46483	\$10,400.00
25,000 lb	46484	\$17,890.00
50,000 lb	46485	\$17,890.00

Replacement Load Cell Order Information

Load Rating (Per Module)	Part #	Price
2,500 lb	76655	\$1,563.00
5,000 lb	45712	\$1,563.00
10,000 lb	45713	\$1,563.00
25,000 lb	45714	\$2,565.00
50,000 lb	45715	\$2,565.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	J	K	L
lb/in											
2,500 to 10,000	5.00	3.50	4.00	1.00	0.52	1.00	0.52	3.50	4.00	6.50	8.00
25,000 to 50,000	6.00	4.50	5.00	1.25	0.78	1.00	0.78	4.50	5.00	7.75	10.00



Complete Kit Includes

- Three or four RL2200 stainless steel mounting assemblies with RL2200SS stainless steel, hermetically sealed, compression disk load cells
- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

Applications

- Medium- to heavy-capacity tank, hopper or vessel weighing
- Belt or roller conveyors
- Scale platforms and screw feeders

Specifications

Full Scale Output:

4.0 mV/V
2.0 mV/V (2,500 lb)

Bridge Resistance:

350 ohm nominal

Material/Finish:

Stainless steel

Temperature:

Compensated:
15 °F to 115 °F (9 °C to 46 °C)

Seal Type:

Hermetically sealed, IP66/68

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC (20 V maximum)

Nonlinearity:

0.05% full scale

Hysteresis:

0.03% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

30 ft

Cable Color Code:

Red +Excitation
Black -Excitation
White +Signal
Green -Signal

Warranty:

Two-year limited



Picture is a representation of actual product.

Load Cell Approvals



Order Information

Load Rating (Per Module)	Part #	Price
Single Module (Includes Load Cell)		
0.5t	36401	\$1,198.00
1t	36402	\$1,198.00
2t	36403	\$1,383.00
5t	36405	\$1,383.00
3-Module Kit		
0.5t	36406	\$3,885.00
1t	36407	\$3,885.00
2t	36408	\$4,065.00
5t	36410	\$4,065.00
4-Module Kit		
0.5t	36411	\$5,083.00
1t	36412	\$5,083.00
2t	36413	\$5,422.00
5t	36415	\$5,422.00

Replacement Rocker Pin Set*

Load Rating (Per Module)	Part #	Price
0.5t to 1t	170875	\$132.00
2t to 5t	170876	\$132.00

*Kit includes upper cup, rocker pin and grease

Dimensions

Rated Capacity	H	H1	H2	L	L1	L2	T	W	W1	W2
ton/mm										
0.5 to 1	80.0	20.0	15.0	150.0	15.0	120.0	14.0 (top plate)	100.0	70.0	15.0
2 to 5	100.0	20.0	20.0	160.0	20.0	120.0	13.8 (bottom plate)	110.0	70.0	20.0

Complete Kit Includes

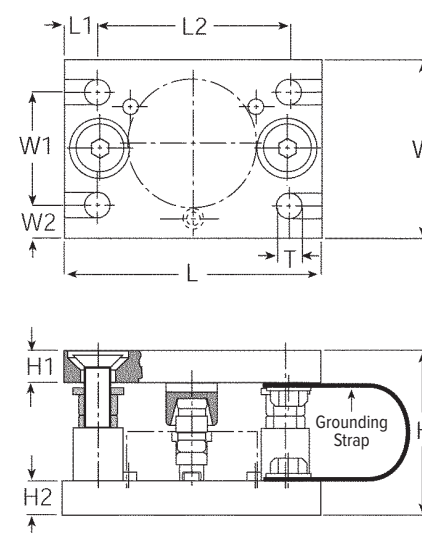
- Three or four RLC stainless steel compression mounts with RLC NTEP Certified stainless steel hermetically sealed compression disk load cells
- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

Standard Features

- Capacities (per module): 0.5 to 5 t
- mV/V/Ohm calibrated load cells eliminates the need for trimming
- Stainless steel construction
- Rocker pin design allows movement in all directions
- Easy load cell replacement
- Integral jacking/shipping bolts

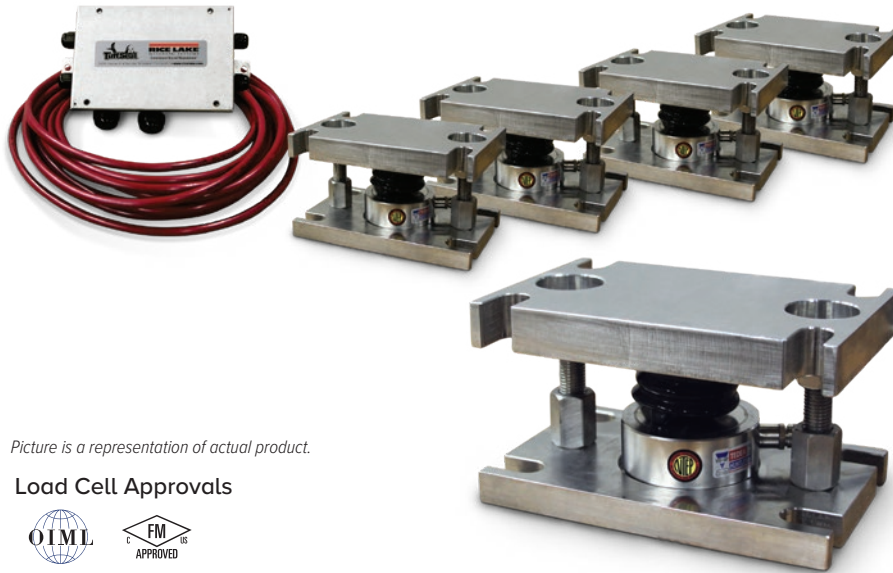
Applications

- Medium-capacity tanks, bins and hoppers
- Washdown or corrosive applications
- Process control and batch weighing



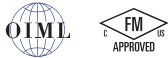
220 Universal Mount

Stainless Steel, Weigh Module Kit, VPG® Tedeo-Huntleigh®



Picture is a representation of actual product.

Load Cell Approvals



Complete Kit Includes

- Three or four 220 stainless steel compression mounts with 220 stainless steel hermetically sealed compression disk load cells
- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

Standard Features

- Capacities (per module): 5,000 to 30,000 kg
- mV/V/ohm calibrated load cells eliminates the need for trimming
- Stainless steel construction
- Easy load cell replacement
- Integral jacking/shipping bolts

Applications

- Medium- to high-capacity tanks, bins and hoppers
- Washdown or corrosive applications
- Process control and batch weighing

Order Information

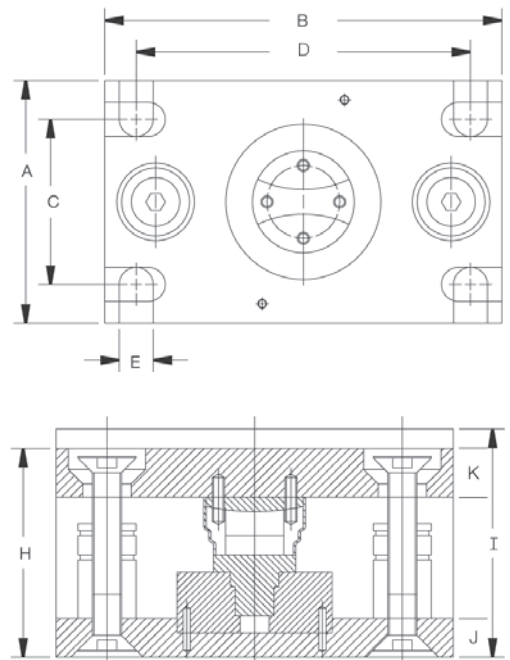
Load Rating (Per Module)	Part #	Price
3-Module Kit (Includes Load Cell)		
5,000 kg	66208	\$7,555.00
10,000 kg	66209	\$7,555.00
20,000 kg	66210	\$9,000.00
30,000 kg	66211	\$9,000.00
4-Module Kit (Includes Load Cell)		
5,000 kg	66212	\$9,969.00
10,000 kg	66213	\$9,969.00
20,000 kg	66214	\$12,072.00
30,000 kg	66215	\$12,072.00

Replacement Mount Parts

Load Rating (Per Module)	Part #	Price
Saddle 5,000 to 10,000 kg	227786	\$95.00
Rolling cylinder 5,000 to 10,000 kg	170882	\$111.00
Load adapter 5,000 kg	170880	\$117.00
Load adapter 10,000 kg	170881	\$165.00
Rubber boot 5,000 to 10,000 kg	171211	\$37.00
Saddle 20,000 to 30,000 kg	170884	\$127.00
Rolling cylinder 5,000 to 10,000 kg	170885	\$58.00
Load adapter 5,000 to 10,000 kg	170883	\$111.00
Rubber boot 5,000 to 10,000 kg	171212	\$32.00

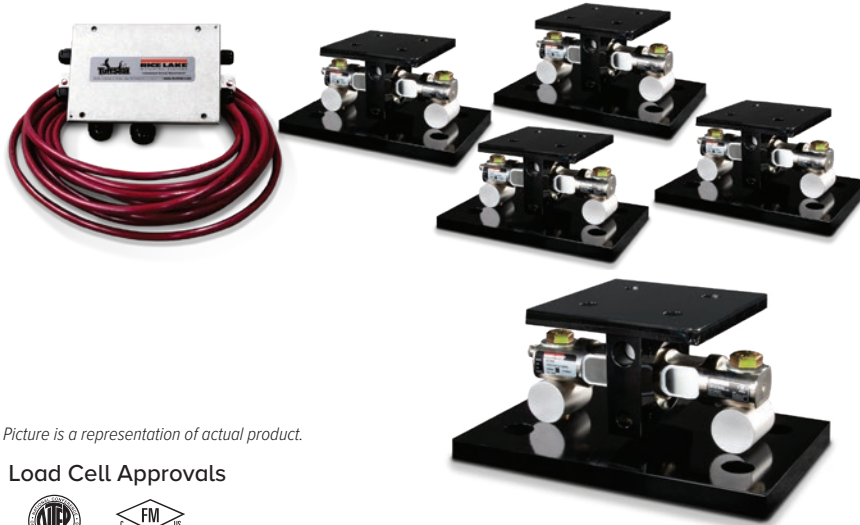
Dimensions

Rated Capacity	A	B	C	D	E	H	I	J	K
kg/mm									
5,000 to 10,000	127.0	203.0	90.0	170.0	18.0	107.0	Load Cell Replacement Height: 118.0 Operating Height: 107.0	19.1	25.4
20,000 to 30,000	152.0	245.0	115.0	208.0	24.0	148.0	Load Cell Replacement Height: 156.0 Operating Height: 148.1	31.8	25.4



EZ Mount 1 with RL72020

Mild Steel, Weigh Module Kit



Picture is a representation of actual product.

Load Cell Approvals



Order Information

Load Rating (Per Module)	Part #	Price
Single Module (Does NOT Include Load Cell)		
5,000 to 20,000 lb	17823	\$360.00
30,000 to 60,000 lb	17824	\$975.00
100,000 lb	17850	\$1,340.00
150,000 lb	29012	\$1,340.00
200,000 to 250,000 lb	26068	\$3,060.00
3-Module Kit		
5,000 lb	208881	\$3,310.00
10,000 lb	208882	\$3,310.00
20,000 lb	208883	\$3,310.00
30,000 lb	208884	\$5,350.00
40,000 lb	208885	\$5,350.00
50,000 lb	208886	\$5,350.00
60,000 lb	208887	\$5,350.00
100,000 lb	208888	\$8,620.00
150,000 lb	208889	\$8,620.00
4-Module Kit		
5,000 lb	208892	\$4,300.00
10,000 lb	208893	\$4,300.00
20,000 lb	208894	\$4,300.00
30,000 lb	208895	\$6,765.00
40,000 lb	208896	\$6,765.00
50,000 lb	208897	\$6,765.00
60,000 lb	208898	\$6,765.00
100,000 lb	208899	\$11,205.00
150,000 lb	208900	\$11,205.00

VPG Revere 5103 Order Information

Load Rating (Per Module)	Part #	Price
3-Module Kit		
5,000 lb	18175	\$3,420.00
10,000 lb	18176	\$3,420.00
20,000 lb	18177	\$3,420.00
30,000 lb	32169	\$5,465.00
40,000 lb	32171	\$5,465.00
50,000 lb	18178	\$5,625.00
60,000 lb	18179	\$5,625.00
100,000 lb	18180	\$8,735.00
150,000 lb	18181	\$8,735.00
4-Module Kit		
5,000 lb	18182	\$4,410.00
10,000 lb	18183	\$4,410.00
20,000 lb	18184	\$4,410.00
30,000 lb	32170	\$6,920.00
40,000 lb	32172	\$6,920.00
50,000 lb	18185	\$6,920.00
60,000 lb	18186	\$6,920.00
100,000 lb	18187	\$11,380.00
150,000 lb	18188	\$11,380.00
Dummy Load Cells		
5,000 to 20,000 lb	33749	\$90.00
30,000 to 60,000 lb	74016	\$122.00
100,000 lb	94175	\$265.00
150,000 lb	158715	\$265.00
Grounding Kit		
5,000 to 60,000 lb	126419	\$23.00

Complete Kit Includes

- Three or four EZ Mount 1 mild steel compression mounts with RL72020 NTEP Certified double-ended shear beam load cells
- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

Standard Features

- Capacities (per module): 5,000 to 250,000 lb
- Unique sliding pin design compensates for thermal expansion/contraction
- Coated mild steel construction
- Self-checking
- Easy load cell replacement
- Simplified design allows bolting directly to tank and floor
- Double-ended beam design, center loaded
- Low-profile design
- Compatible with VPG® Revere 5103 load cell

Applications

- Medium- to heavy-capacity tank and hopper weighing applications

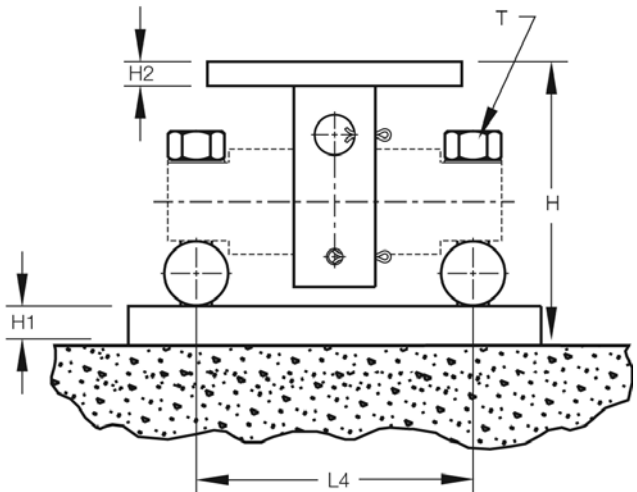
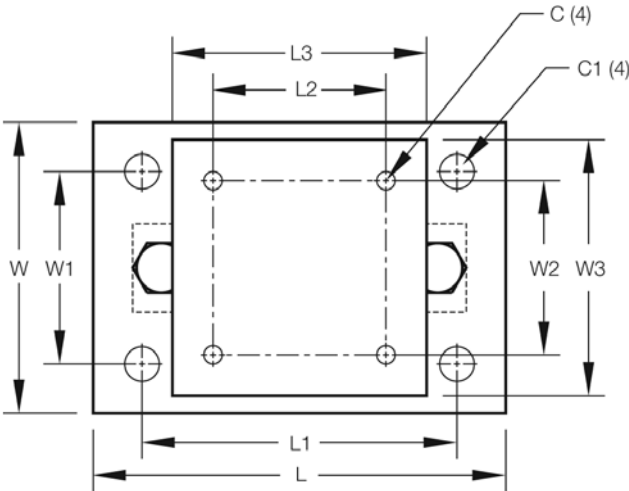
WEIGH MODULES

EZ Mount 1 with RL72020

Mild Steel, Weigh Module Kit

Dimensions

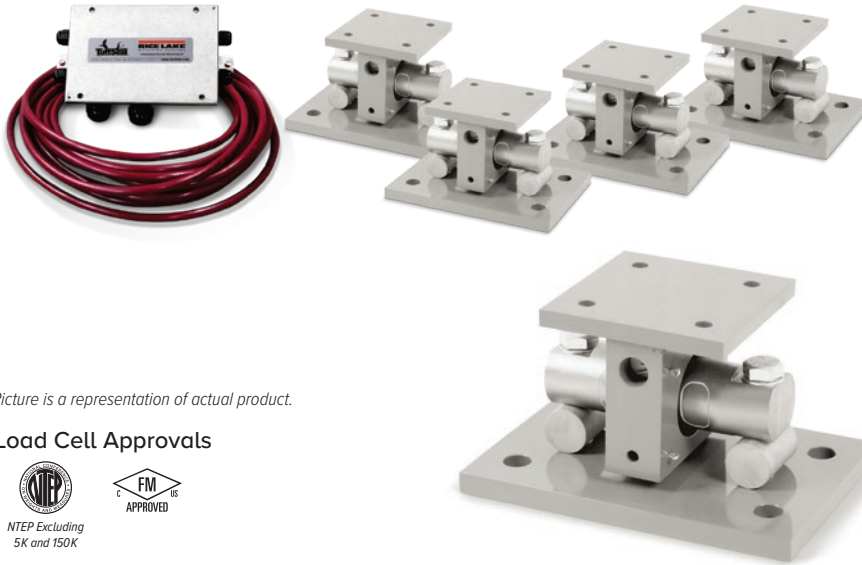
Rated Capacity	C	C1	H	H1	H2	L	L1	L2	L3	L4	T	W	W1	W2	W3
lb/in															
5,000 to 20,000	0.56	1.06	5.31	0.75	0.50	11.00	8.00	3.00	6.00	6.87	5/8-18 UNF	7.50	4.00	3.00	6.00
30,000 to 60,000	0.68	1.19	8.43	1.00	0.75	15.00	11.50	5.12	8.00	8.50	1-14 UNS	10.00	6.00	5.12	8.00
100,000 to 150,000	0.81	1.38	10.37	1.25	1.25	18.00	14.00	7.50	10.00	9.50	1-14 UNS	12.00	9.00	7.50	10.00
200,000 to 250,000	1.06	1.88	16.75	2.00	2.00	26.00	20.00	9.00	12.00	13.00	1 1/2-12 UNS	12.00	6.00	9.00	12.00



WEIGH MODULES

EZ Mount 1 SS with RL72020SS

Stainless Steel, Weigh Module Kit



Picture is a representation of actual product.

Load Cell Approvals



NTEP Excluding
5K and 150K



APPROVED

Order Information

Load Rating (Per Module)	Part #	Price
Single Module (Does NOT Include Load Cell)		
5,000 to 20,000 lb	17943	\$885.00
30,000 to 60,000 lb	17944	\$2,450.00
100,000 lb	17945	\$4,480.00
150,000 lb	29011	\$4,480.00
3-Module Kit		
5,000 lb*	208914	\$5,290.00
10,000 lb	208917	\$5,290.00
20,000 lb	208918	\$5,290.00
30,000 lb	208919	\$10,640.00
40,000 lb	208920	\$10,640.00
50,000 lb	208921	\$10,640.00
60,000 lb	208922	\$10,640.00
100,000 lb	208923	\$19,570.00
150,000 lb*	208924	\$19,570.00

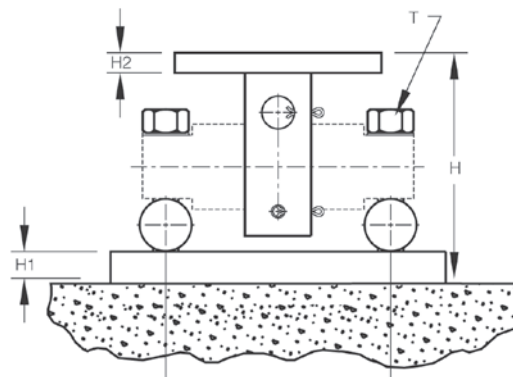
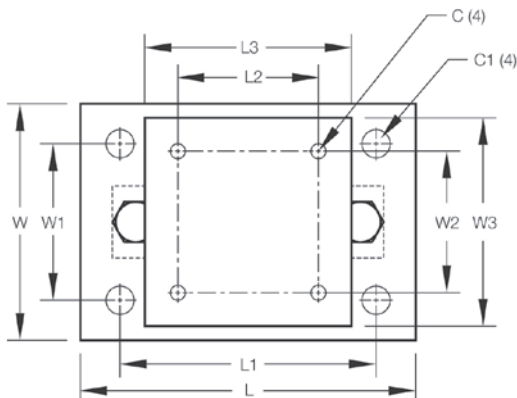
* Non-NTEP Certified

Load Rating (Per Module)	Part #	Price
4-Module Kit		
5,000 lb*	208925	\$6,865.00
10,000 lb	208926	\$6,865.00
20,000 lb	208927	\$6,865.00
30,000 lb	208928	\$14,010.00
40,000 lb	208929	\$14,010.00
50,000 lb	208930	\$14,010.00
60,000 lb	208931	\$14,010.00
100,000 lb	208932	\$26,030.00
150,000 lb*	208933	\$26,030.00
Dummy Load Cells (Mild Steel)		
5,000 to 20,000 lb	33749	\$90.00
30,000 to 60,000 lb	74016	\$122.00
100,000 lb	94175	\$265.00
150,000 lb	158715	\$265.00
Grounding Kit		
5,000 to 60,000 lb	126419	\$23.00

Includes ground strap and mounting hardware per mount

Dimensions

Rated Capacity	C	C1	H	H1	H2	L	L1	L2	L3	L4	T	W	W1	W2	W3
lb/in															
5,000 to 20,000	0.56	1.06	5.31	0.75	0.50	11.00	8.00	3.00	6.00	6.87	5/8-18 UNF	7.50	4.00	3.00	6.00
30,000 to 60,000	0.68	1.19	8.43	1.00	0.75	15.00	11.50	5.12	8.00	8.50	1-14 UNS	10.00	6.00	5.12	8.00
100,000 to 150,000	0.81	1.38	10.37	1.25	1.25	18.00	14.00	7.50	10.00	9.50	1-14 UNS	12.00	9.00	7.50	10.00



Complete Kit Includes

- Three or four EZ Mount 1 stainless steel compression mounts with RL72020SS stainless steel double-ended shear beam load cells
- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

Standard Features

- Capacities (per module): 5,000 to 150,000 lb
- NTEP Certified load cells (except for 5,000 and 150,000 lb modules)
- Stainless steel construction
- Unique sliding pin design compensates for thermal expansion/contraction
- Self-checking
- Easy load cell replacement
- Simplified design allows bolting directly to tank and floor
- Double-ended beam design, center-loaded
- Low-profile design
- Compatible with VPG® Revere 9103 load cell

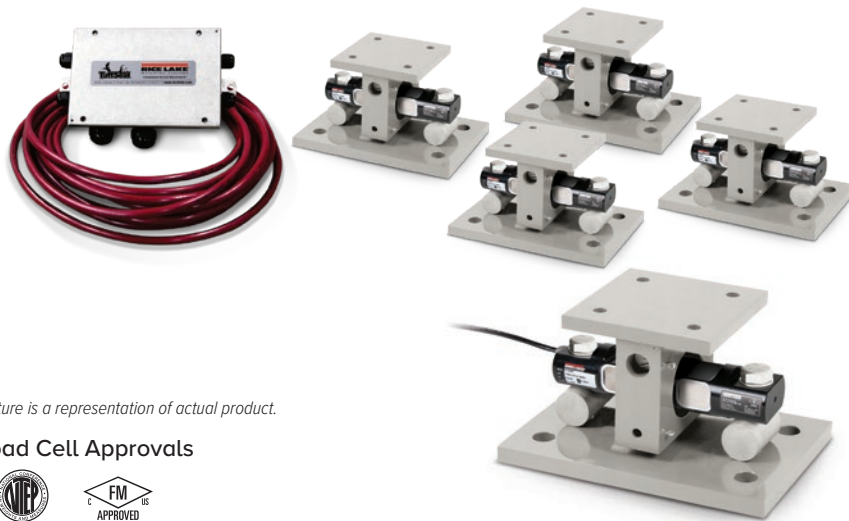
Applications

- Medium- to heavy-capacity tank and hopper weighing applications

WEIGH MODULES

EZ Mount 1 with MLC Coated RL72020

Stainless Steel, Weigh Module Kit



Picture is a representation of actual product.

Load Cell Approvals



Order Information

Load Rating (Per Module)	Part #	Price
Single Module (Does NOT Include Load Cell)		
5,000 to 20,000 lb	17943	\$885.00
30,000 to 60,000 lb	17944	\$2,450.00
100,000 lb	17945	\$4,480.00
150,000 lb	29011	\$4,480.00
3-Module Kit		
5,000 lb	208957	\$4,775.00
10,000 lb	208959	\$4,775.00
20,000 lb	208961	\$4,775.00
30,000 lb	208963	\$9,895.00
40,000 lb	208965	\$9,895.00
50,000 lb	208967	\$9,895.00
60,000 lb	208969	\$9,895.00
100,000 lb	208971	\$18,515.00
150,000 lb	208973	\$18,515.00

Load Rating (Per Module)	Part #	Price
4-Module Kit		
5,000 lb	208958	\$6,380.00
10,000 lb	208960	\$6,380.00
20,000 lb	208962	\$6,380.00
30,000 lb	208964	\$13,195.00
40,000 lb	208966	\$13,195.00
50,000 lb	208968	\$13,195.00
60,000 lb	208970	\$13,195.00
100,000 lb	208972	\$24,650.00
150,000 lb	208974	\$24,650.00
Dummy Load Cells (Mild Steel)		
5,000 to 20,000 lb	33749	\$90.00
30,000 to 60,000 lb	74016	\$122.00
100,000 lb	94175	\$265.00
150,000 lb	158715	\$265.00
Grounding Kit		
5,000 to 60,000 lb	126419	\$23.00

Includes ground strap and mounting hardware per mount

Complete Kit Includes

- Three or four EZ Mount 1 stainless steel compression mounts with RL72020 MLC Coated NTEP Certified double-ended shear beam load cells
- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

Standard Features

- Capacities (per module): 5,000 to 150,000 lb
- Unique sliding pin design compensates for thermal expansion/contraction
- Stainless steel construction (mount)
- Self-checking
- Easy load cell replacement
- Simplified design allows bolting directly to tank and floor
- Double-ended design, center-loaded
- Low-profile design

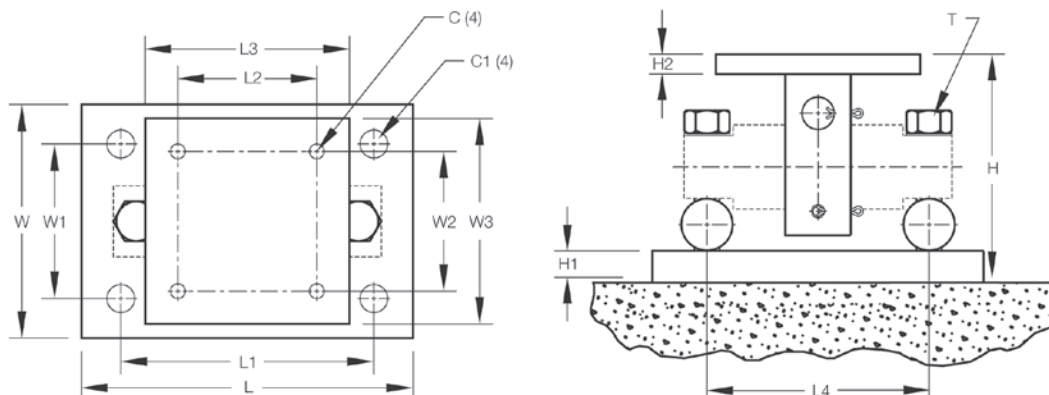
Applications

- Medium- to heavy -capacity tank and fertilizer hopper weighing applications

WEIGH MODULES

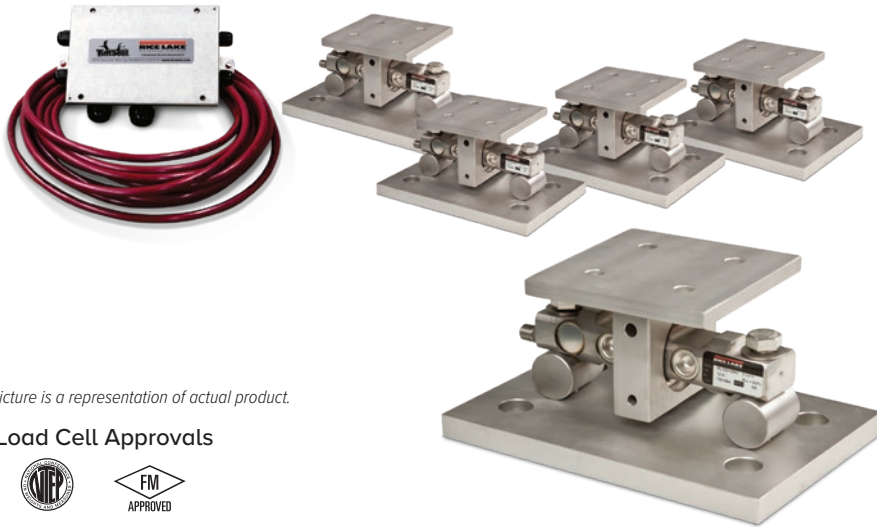
Dimensions

Rated Capacity	C	C1	H	H1	H2	L	L1	L2	L3	L4	T	W	W1	W2	W3
lb/in															
5,000 to 20,000	0.56	1.06	5.31	0.75	0.50	11.00	8.00	3.00	6.00	6.87	5/8-18 UNF	7.50	4.00	3.00	6.00
30,000 to 60,000	0.68	1.19	8.43	1.00	0.75	15.00	11.50	5.12	8.00	8.50	1-14 UNS	10.00	6.00	5.12	8.00
100,000 to 150,000	0.81	1.38	10.37	1.25	1.25	18.00	14.00	7.50	10.00	9.50	1-14 UNS	12.00	9.00	7.50	10.00



EZ Mount 1 HE

Stainless Steel, Weigh Module Kit



Picture is a representation of actual product.

Load Cell Approvals



Order Information

Load Rating (Per Module)	Part #	Price
3-Module Kit		
5,000 lb*	46695	\$6,235.00
10,000 lb	46696	\$6,235.00
20,000 lb	46697	\$6,235.00
30,000 lb	46698	\$12,375.00
40,000 lb	46699	\$12,375.00
50,000 lb	46700	\$12,375.00
60,000 lb	46701	\$12,375.00
4-Module Kit		
5,000 lb*	46702	\$8,390.00
10,000 lb	46703	\$8,390.00
20,000 lb	46704	\$8,390.00
30,000 lb	46705	\$16,175.00
40,000 lb	46706	\$16,175.00
50,000 lb	46707	\$16,175.00
60,000 lb	46708	\$16,175.00
Dummy Load Cells (Mild Steel)		
5,000 to 20,000 lb	33749	\$90.00
30,000 to 60,000 lb	74016	\$122.00
Grounding Kit		
5,000 to 60,000 lb	126419	\$23.00

Includes ground strap and mounting hardware

*Non-NTEP

Shims

	Part #	Price
5,000 to 20,000 lb, Stainless Steel		
0.0625 in	150886	\$12.00
0.125 in	150888	\$18.00
0.250 in	150889	\$29.00
30,000 to 60,000 lb, Stainless Steel		
0.0625 in	150890	\$19.00
0.125 in	150891	\$30.00
0.250 in	150892	\$64.00
5,000 to 20,000 lb, Mild Steel		
0.0625 in	150874	\$5.00
0.125 in	150876	\$6.00
0.250 in	150877	\$8.00
30,000 to 60,000 lb, Mild Steel		
0.0625 in	150878	\$6.00
0.125 in	150880	\$9.00
0.250 in	150881	\$11.00

Complete Kit Includes

- Three or four EZ Mount 1 stainless steel compression mounts with RL72019SS welded-seal stainless steel double-ended shear beam load cells
- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

Standard Features

- Capacities (per module): 5,000 to 60,000 lb
- NTEP Certified (except 5,000 lb module)
- Stainless steel construction
- Unique sliding pin design compensates for thermal expansion/contraction
- Self-checking
- Easy load cell replacement
- Simplified design allows bolting directly to tank and floor
- Double-ended beam design, center-loaded
- Low-profile design

Applications

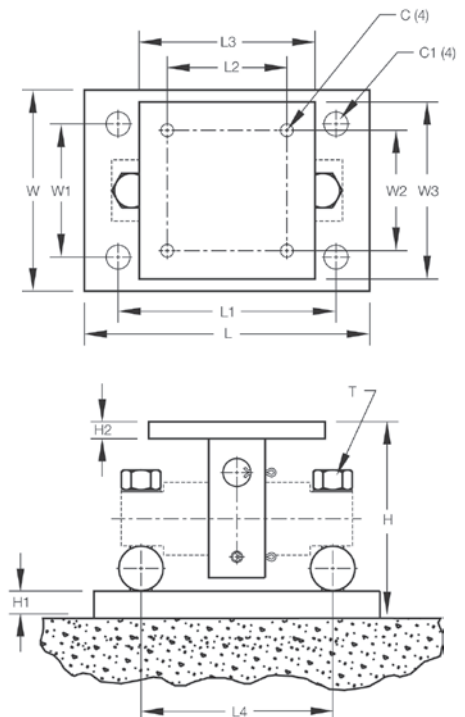
- Medium- to heavy-capacity tank and hopper weighing applications

WEIGH MODULES

Dimensions

Rated Capacity	C	C1	H	H1	H2	L	L1	L2	L3	L4	T	W	W1	W2	W3
lb/in															
5,000 to 20,000	0.56	1.06	5.31	0.75	0.50	11.00	8.00	3.00	6.00	6.87	5/8-18 UNF	7.50	4.00	3.00	6.00
30,000 to 60,000	0.68	1.19	8.43	1.00	0.75	15.00	11.50	5.12	8.00	8.50	1-14 UNS	10.00	6.00	5.12	8.00

NOTES: Mounting bolts (T) may project on lower side of base plate. Foundation plate not included



RL1600 Series with RL77032

Cast Iron, Weigh Module Kit



Picture is a representation of actual product.

Complete Kit Includes

- Three or four RL1600 cast iron compression mounts with RL77032 environmentally protected double-ended shear beam load cells
- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

Standard Features

- Capacities (per module): 1,000 to 25,000 lb
- Cast iron construction
- Self-checking, easy-to-use design allows module to be bolted directly to tank leg without requiring additional mounting plates or load buttons
- Double-ended beam design, center loaded
- Compatible with VPG® Sensortronics® 65016 load cells, capacities (per module): 1,000 to 25,000 lb

Applications

- Medium- to heavy-capacity tanks, bins and hoppers
- Bulk material management

Order Information

Load Rating (Per Module)	Part #	Price
Single Module (Does NOT Include Load Cell)		
1,000 to 5,000 lb	17964	\$185.00
10,000 to 25,000 lb	17965	\$357.00
3-Module Kit		
1,000 lb	228436	\$2,285.00
1,500 lb	228439	\$2,285.00
2,000 lb	228441	\$2,285.00
2,500 lb	228444	\$2,285.00
3,000 lb	228446	\$2,285.00
5,000 lb	228448	\$2,285.00
10,000 lb	228450	\$3,000.00
15,000 lb	228452	\$3,000.00
20,000 lb	228454	\$3,000.00
25,000 lb	228456	\$3,000.00
4-Module Kit		
1,000 lb	228438	\$2,925.00
1,500 lb	228440	\$2,925.00
2,000 lb	228442	\$2,925.00
2,500 lb	228445	\$2,925.00
3,000 lb	228447	\$2,925.00
5,000 lb	228449	\$2,925.00
10,000 lb	228451	\$3,875.00
15,000 lb	228453	\$3,875.00
20,000 lb	228455	\$3,875.00
25,000 lb	228457	\$3,875.00

Contact factory for load cell upgrade

Dimensions

Rated Capacity	C	H	H1	H2	L	L1	L2	L3	T	W	W1	W2	W3
lb/in													
1,000 to 5,000	0.56	5.00	0.50	0.50	9.31	2.75	4.00	6.25	1/2-13 UNC	5.00	3.75	2.75	4.00
10,000 to 25,000	0.78	7.89	0.75	0.75	12.00	6.00	8.00	7.50	3/4-10 UNC	8.00	6.00	6.00	8.00

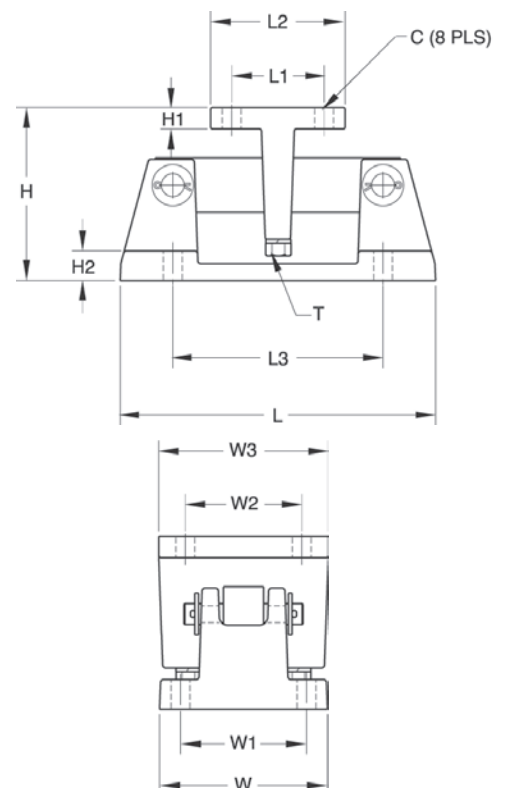
VPG Sensortronics 65016 Order Information

Load Rating (Per Module)	Part #	Price
3-Module Kit		
1,000 lb	25685	\$2,685.00
1,500 lb	25686	\$2,685.00
2,500 lb	25688	\$2,685.00
5,000 lb	25690	\$2,685.00
10,000 lb	25691	\$3,400.00
15,000 lb	25692	\$3,400.00
20,000 lb	25693	\$3,400.00
25,000 lb	25694	\$3,400.00
4-Module Kit		
1,000 lb	25695	\$3,485.00
1,500 lb	25696	\$3,485.00
2,500 lb	25698	\$3,485.00
5,000 lb	25700	\$3,485.00
10,000 lb	25701	\$4,465.00
15,000 lb	25702	\$4,465.00
20,000 lb	25703	\$4,465.00
25,000 lb	25704	\$4,465.00
Dummy Load Cells		
1,000 to 5,000 lb	18236	\$26.00
10,000 to 25,000 lb	18237	\$42.00

Contact factory for load cell upgrade

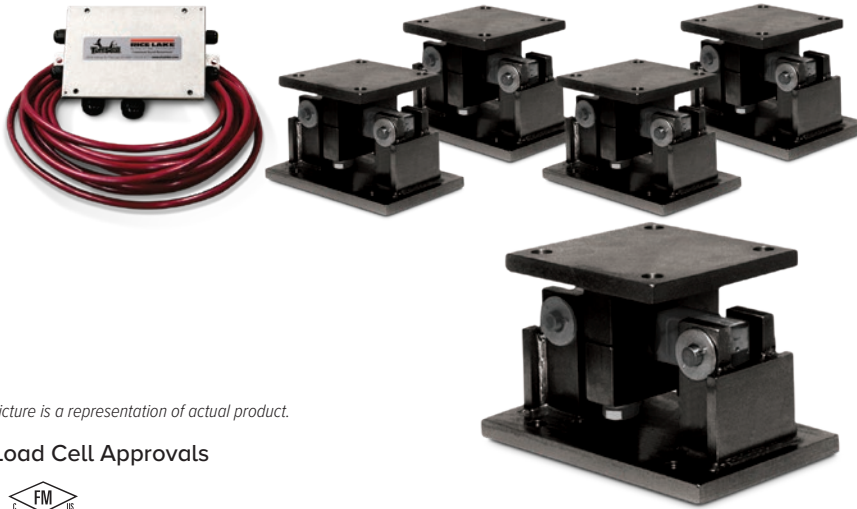
Shims, Mild Steel

	Part #	Price
1,000 to 5,000 lb		
0.0625 in	150844	\$2.00
0.125 in	150845	\$3.00
0.250 in	150846	\$3.00
10,000 to 25,000 lb		
0.0625 in	150847	\$5.00
0.125 in	150848	\$7.50
0.250 in	150849	\$8.00



RL1600 Series with RL77032

Mild Steel, Weigh Module Kit



Picture is a representation of actual product.

Load Cell Approvals



Order Information

Load Rating (Per Module)	Part #	Price
Single Module (Does NOT Include Load Cell)		
1,000 to 5,000 lb	17812	\$185.00
10,000 to 25,000 lb	17814	\$357.00
50,000 lb	17816	\$1,197.00
75,000 lb	25346	\$1,197.00
3-Module Kit		
1,000 lb	225213	\$2,285.00
1,500 lb	225214	\$2,285.00
2,000 lb	225215	\$2,285.00
2,500 lb	225216	\$2,285.00
3,000 lb	225217	\$2,285.00
5,000 lb	225218	\$2,285.00
10,000 lb	225219	\$3,000.00
15,000 lb	225220	\$3,000.00
20,000 lb	225221	\$3,000.00
25,000 lb	225222	\$3,000.00
50,000 lb	225223	\$6,305.00
75,000 lb	225224	\$6,305.00
4-Module Kit		
1,000 lb	225226	\$2,925.00
1,500 lb	225227	\$2,925.00
2,000 lb	225229	\$2,925.00
2,500 lb	225231	\$2,925.00
3,000 lb	225232	\$2,925.00
5,000 lb	225233	\$2,925.00
10,000 lb	225234	\$3,875.00
15,000 lb	225235	\$3,875.00
20,000 lb	225236	\$3,875.00
25,000 lb	225237	\$3,875.00
50,000 lb	225238	\$8,425.00
75,000 lb	225239	\$8,425.00

Dimensions

Rated Capacity	C	H	H1	H2	L	L1	L2	L3	T	W	W1	W2	W3
lb/in													
1,000 to 5,000	0.56	5.00	0.50	0.50	9.25	2.75	4.00	6.25	1/2-13 UNC	5.00	3.75	2.75	4.00
10,000 to 25,000	0.78	7.87	0.75	0.75	12.00	6.00	8.00	7.50	3/4-10 UNC	8.00	6.00	6.00	8.00
50,000 to 75,000	0.78	9.25	1.00	1.00	16.25	6.50	9.00	11.50	1 1/4-7 UNC	12.00	9.50	6.50	9.00

VPG Sensortronics 65016 Order Information

Load Rating (Per Module)	Part #	Price
3-Module Kit		
1,000 lb	18189	\$2,685.00
1,500 lb	18190	\$2,685.00
2,500 lb	18192	\$2,685.00
5,000 lb	18194	\$2,685.00
10,000 lb	18195	\$3,400.00
15,000 lb	18196	\$3,400.00
20,000 lb	18197	\$3,400.00
25,000 lb	18198	\$3,400.00
50,000 lb	18199	\$6,800.00
75,000 lb	25350	\$6,800.00
4-Module Kit		
1,000 lb	18201	\$3,485.00
1,500 lb	18202	\$3,485.00
2,500 lb	18204	\$3,485.00
5,000 lb	18206	\$3,485.00
10,000 lb	18207	\$4,465.00
15,000 lb	18208	\$4,465.00
20,000 lb	18209	\$4,465.00
25,000 lb	18210	\$4,465.00
50,000 lb	18211	\$8,920.00
75,000 lb	25351	\$8,920.00
Dummy Load Cells		
1,000 to 5,000 lb	18236	\$26.00
10,000 to 25,000 lb	18237	\$42.00
50,000 lb	18238	\$56.00

Complete Kit Includes

- Three or four RL1600 mild steel compression mounts with RL77032 environmentally protected double-ended shear beam load cells
- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

Standard Features

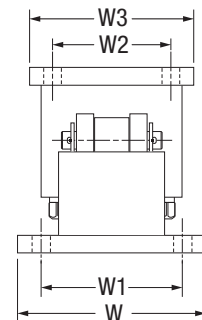
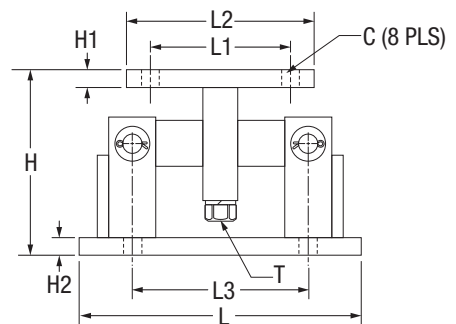
- Capacities (per module): 1,000 to 75,000 lb
- Coated mild steel construction
- Self-checking, easy-to-use design allows module to be bolted directly to tank leg without requiring additional mounting plates or load buttons
- Double-ended shear beam design, center loaded
- Compatible with VPG® Sensortronics® 65016 load cells

Applications

- Medium- to heavy-capacity tanks, bins and hoppers
- Bulk material management

Shims, Mild Steel

	Part #	Price
1,000 to 5,000 lb		
0.0625 in	150844	\$2.00
0.125 in	150845	\$3.00
0.250 in	150846	\$3.00
10,000 to 25,000 lb		
0.0625 in	150847	\$5.00
0.125 in	150848	\$7.50
0.250 in	150849	\$8.00
50,000 to 75,000 lb		
0.0625 in	150850	\$7.00
0.125 in	150851	\$9.00
0.250 in	150866	\$7.50



WEIGH MODULES

RL1600 Series with RL75016SS

Stainless Steel, Weigh Module Kit

Limited Stock Available



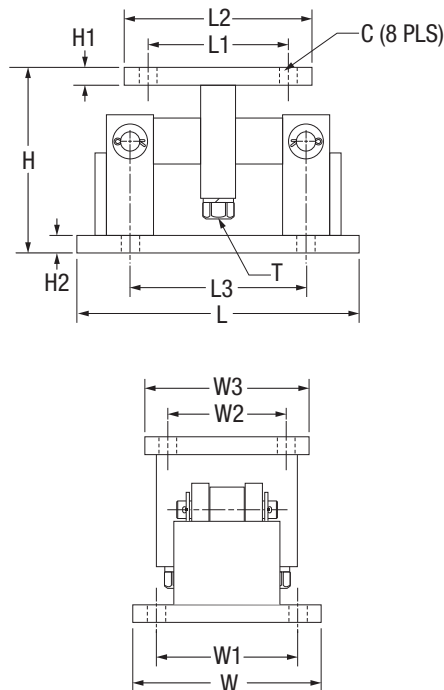
Picture is a representation of actual product.

Load Cell Approvals



VPG Sensortronics 65016W
Order Information

Load Rating (Per Module)	Part #	Price
3-Module Kit		
1,000 lb	18213	\$4,090.00
1,500 lb	18214	\$4,090.00
2,500 lb	18216	\$4,090.00
5,000 lb	18217	\$4,090.00
10,000 lb	18218	\$6,280.00
15,000 lb	18219	\$6,280.00
20,000 lb	18220	\$6,280.00
25,000 lb	18221	\$6,280.00
50,000 lb	18222	\$13,815.00
75,000 lb	25354	\$13,815.00
4-Module Kit		
1,000 lb	18224	\$5,375.00
1,500 lb	18225	\$5,375.00
2,500 lb	18227	\$5,375.00
5,000 lb	18228	\$5,375.00
10,000 lb	18229	\$8,290.00
15,000 lb	18230	\$8,290.00
20,000 lb	18231	\$8,290.00
25,000 lb	18232	\$8,290.00
50,000 lb	18233	\$18,225.00
75,000 lb	25355	\$18,225.00
Dummy Load Cells (Mild Steel)		
1,000 to 5,000 lb	18236	\$26.00
10,000 to 25,000 lb	18237	\$42.00
50,000 lb	18238	\$56.00



Complete Kit Includes

- Three or four RL1600 stainless steel compression mounts with RL75016SS environmentally protected stainless steel double-ended shear beam load cells
- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

Standard Features

- Capacities (per module): 1,000 to 75,000 lb
- Stainless steel construction
- Self-checking, easy-to-use design allows module to be bolted directly to tank leg without requiring additional mounting plates or load buttons
- Double-ended shear beam design, center loaded
- Compatible with VPG® Sensortronics® 65016W SS load cells

Applications

- Medium- to heavy-capacity tanks, bins and hoppers
- Bulk material management

Shims, Stainless

	Part #	Price
1,000 to 5,000 lb		
0.0625 in	150852	\$7.00
0.125 in	150853	\$12.00
0.250 in	150854	\$18.00
10,000 to 25,000 lb		
0.0625 in	150855	\$19.00
0.125 in	150856	\$30.00
0.250 in	150857	\$65.00
50,000 to 75,000 lb		
0.0625 in	150858	\$27.00
0.125 in	150859	\$38.00
0.250 in	150861	\$79.00

Dimensions

Rated Capacity	C	H	H1	H2	L	L1	L2	L3	T	W	W1	W2	W3
lb/in													
1,000 to 5,000	0.56	5.00	0.50	0.50	9.25	2.75	4.00	6.25	1/2-13 UNC	5.00	3.75	2.75	4.00
10,000 to 25,000	0.78	7.87	0.75	0.75	12.00	6.00	8.00	7.50	3/4-10 UNC	8.00	6.00	6.00	8.00
50,000 to 75,000	0.78	9.25	1.00	1.00	16.25	6.50	9.00	11.50	1 1/4-7 UNC	12.00	9.50	6.50	9.00

RL1600 SS Series with RL77032SS

Stainless Steel, Weigh Module Kit



Picture is a representation of actual product.

Load Cell Approvals



Order Information

Load Rating (Per Module)	Part #	Price
Single Module (Does NOT Include Load Cell)		
1,000 to 5,000 lb	17813	\$685.00
10,000 to 25,000 lb	17815	\$1,345.00
50,000 lb	17842	\$3,185.00
75,000 lb	25347	\$3,185.00
3-Module Kit		
1,000 lb	225333	\$3,820.00
1,500 lb	225334	\$3,820.00
2,000 lb	225335	\$3,820.00
2,500 lb	225336	\$3,820.00
5,000 lb	225337	\$3,820.00
10,000 lb	225338	\$5,830.00
15,000 lb	225340	\$5,830.00
20,000 lb	225341	\$5,830.00
25,000 lb	225342	\$5,830.00
50,000 lb	225343	\$13,255.00
75,000 lb	225344	\$13,255.00
4-Module Kit		
1,000 lb	225347	\$4,988.00
1,500 lb	225349	\$4,988.00
2,000 lb	225350	\$4,988.00
2,500 lb	225351	\$4,988.00
5,000 lb	225352	\$4,988.00
10,000 lb	225353	\$7,959.00
15,000 lb	225354	\$7,959.00
20,000 lb	225355	\$7,959.00
25,000 lb	225356	\$7,959.00
50,000 lb	225357	\$17,895.00
75,000 lb	225358	\$17,895.00

VPG Scentroidrics 65016W Order Information

Load Rating (Per Module)	Part #	Price
3-Module Kit		
1,000 lb	18213	\$4,090.00
1,500 lb	18214	\$4,090.00
2,500 lb	18216	\$4,090.00
5,000 lb	18217	\$4,090.00
10,000 lb	18218	\$6,280.00
15,000 lb	18219	\$6,280.00
20,000 lb	18220	\$6,280.00
25,000 lb	18221	\$6,280.00
50,000 lb	18222	\$13,815.00
75,000 lb	25354	\$13,815.00
4-Module Kit		
1,000 lb	18224	\$5,375.00
1,500 lb	18225	\$5,375.00
2,500 lb	18227	\$5,375.00
5,000 lb	18228	\$5,375.00
10,000 lb	18229	\$8,290.00
15,000 lb	18230	\$8,290.00
20,000 lb	18231	\$8,290.00
25,000 lb	18232	\$8,290.00
50,000 lb	18233	\$18,225.00
75,000 lb	25355	\$18,225.00
Dummy Load Cells (Mild Steel)		
1,000 to 5,000 lb	18236	\$26.00
10,000 to 25,000 lb	18237	\$42.00
50,000 lb	18238	\$56.00

Complete Kit Includes

- Three or four RL1600 stainless steel compression mounts with RL77032SS environmentally protected stainless steel double-ended shear beam load cells
- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

Standard Features

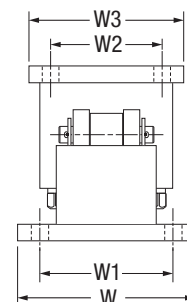
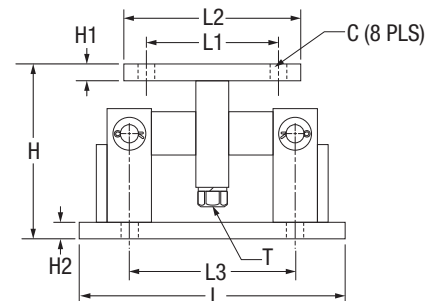
- Capacities (per module): 1,000 to 75,000 lb
- Stainless steel construction
- Self-checking, easy-to-use design allows module to be bolted directly to tank leg without requiring additional mounting plates or load buttons
- Double-ended shear beam design, center loaded
- Compatible with VPG® Scentroidrics® 65016W SS load cells

Applications

- Medium- to heavy-capacity tanks, bins and hoppers
- Bulk material management

Shims, Stainless

	Part #	Price
1,000 to 5,000 lb		
0.0625 in	150852	\$7.00
0.125 in	150853	\$12.00
0.250 in	150854	\$18.00
10,000 to 25,000 lb		
0.0625 in	150855	\$19.00
0.125 in	150856	\$30.00
0.250 in	150857	\$65.00
50,000 to 75,000 lb		
0.0625 in	150858	\$27.00
0.125 in	150859	\$38.00
0.250 in	150861	\$79.00

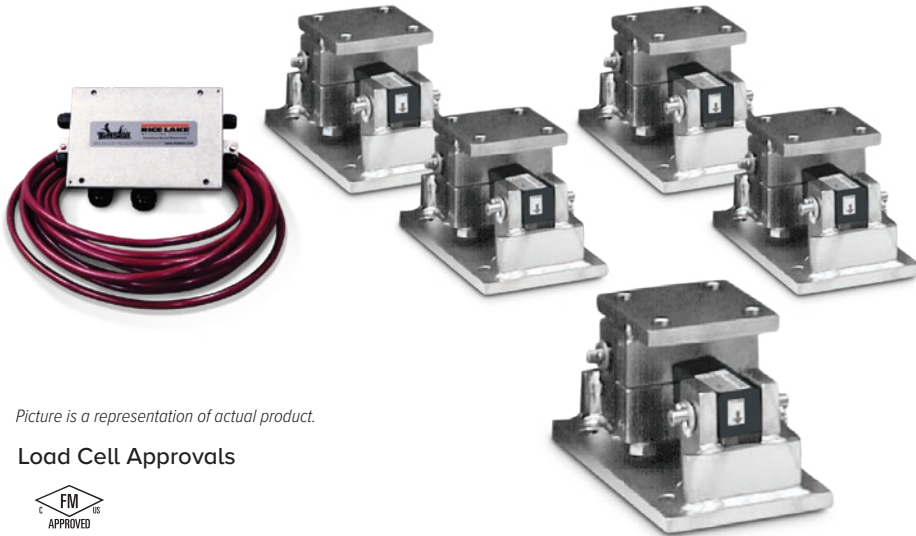


Dimensions

Rated Capacity	C	H	H1	H2	L	L1	L2	L3	T	W	W1	W2	W3
lb/in													
1,000 to 5,000	0.56	5.00	0.50	0.50	9.25	2.75	4.00	6.25	1/2-13 UNC	5.00	3.75	2.75	4.00
10,000 to 25,000	0.78	7.87	0.75	0.75	12.00	6.00	8.00	7.50	3/4-10 UNC	8.00	6.00	6.00	8.00
50,000 to 75,000	0.78	9.25	1.00	1.00	16.25	6.50	9.00	11.50	1 1/4-7 UNC	12.00	9.50	6.50	9.00

RL1600 Series with MLC Coated RL75016

Stainless Steel, Weigh Module Kit



Picture is a representation of actual product.

Load Cell Approvals



Order Information

Load Rating (Per Module)	Part #	Price
Single Module (Does NOT Include Load Cell)		
1,000 to 5,000 lb	17813	\$685.00
10,000 to 25,000 lb	17815	\$1,345.00
50,000 lb	17842	\$3,185.00
75,000 lb	25347	\$3,185.00
3-Module Kit		
1,000 lb	199023	\$3,820.00
1,500 lb	199025	\$3,820.00
2,000 lb	199027	\$3,820.00
2,500 lb	199029	\$3,820.00
3,000 lb	199031	\$3,820.00
5,000 lb	199033	\$3,820.00
10,000 lb	199035	\$5,830.00
15,000 lb	199037	\$5,830.00
20,000 lb	199038	\$5,830.00
25,000 lb	199040	\$5,830.00
50,000 lb	199042	\$13,255.00
75,000 lb	199044	\$13,255.00
4-Module Kit		
1,000 lb	199024	\$4,985.00
1,500 lb	199026	\$4,985.00
2,000 lb	199028	\$4,985.00
2,500 lb	199030	\$4,985.00
3,000 lb	199032	\$4,985.00
5,000 lb	199034	\$4,985.00
10,000 lb	199036	\$7,955.00
15,000 lb	199056	\$7,955.00
20,000 lb	199039	\$7,955.00
25,000 lb	199041	\$7,955.00
50,000 lb	199043	\$17,895.00
75,000 lb	199045	\$17,895.00

Dimensions

Rated Capacity	C	H	H1	H2	L	L1	L2	L3	T	W	W1	W2	W3
lb/in													
1,000 to 5,000	0.56	5.00	0.50	0.50	9.25	2.75	4.00	6.25	1/2-13 UNC	5.00	3.75	2.75	4.00
10,000 to 25,000	0.78	7.87	0.75	0.75	12.00	6.00	8.00	7.50	3/4-10 UNC	8.00	6.00	6.00	8.00
50,000 to 75,000	0.78	9.25	1.00	1.00	16.25	6.50	9.00	11.50	1 1/4-7 UNC	12.00	9.50	6.50	9.00

Complete Kit Includes

- Three or four RL1600 stainless steel compression mounts with MLC Coated RL75016 alloy steel, environmentally sealed, double ended shear beam load cells
- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- 25 ft of hostile environment EL147HE SURVIVOR® load cell cable

Standard Features

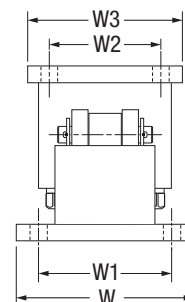
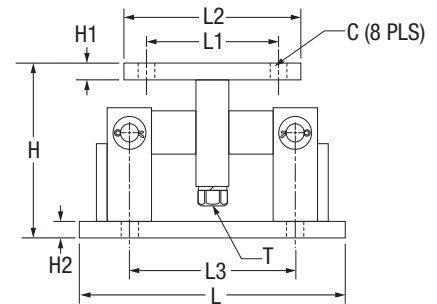
- Capacities (per module): 1,000 to 75,000 lb
- Stainless steel construction (mounts)
- Self-checking, easy-to-use design allows module to be bolted directly to tank leg without requiring additional mounting plates or load buttons
- Double-ended shear beam design, center loaded

Applications

- Medium-to heavy-capacity tanks, bins, and hoppers
- Bulk material management

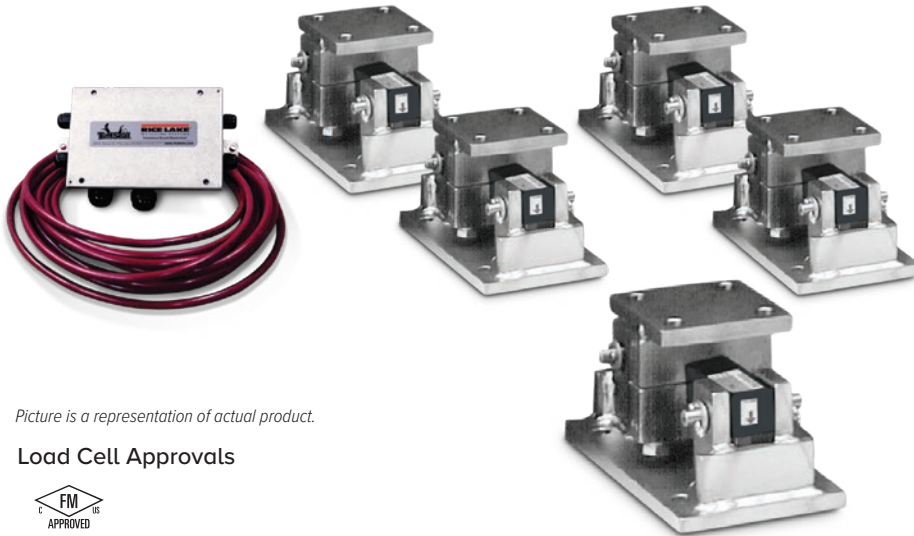
Shims, Stainless

	Part #	Price
1,000 to 5,000 lb		
0.0625 in	150852	\$7.00
0.125 in	150853	\$12.00
0.250 in	150854	\$18.00
10,000 to 25,000 lb		
0.0625 in	150855	\$19.00
0.125 in	150856	\$30.00
0.250 in	150857	\$65.00
50,000 to 75,000 lb		
0.0625 in	150858	\$27.00
0.125 in	150859	\$38.00
0.250 in	150861	\$79.00



RL1600 HE Series with RL77032SS HE

Stainless Steel, Weigh Module Kit



Picture is a representation of actual product.

Load Cell Approvals



Order Information

Load Rating (Per Module)	Part #	Price
Single Module (Does NOT Include Load Cell)		
1,000 to 5,000 lb	17813	\$685.00
10,000 to 25,000 lb	17815	\$1,345.00
50,000 lb	17842	\$3,185.00
75,000 lb	25347	\$3,185.00
3-Module Kit		
1,000 lb	225359	\$4,500.00
1,500 lb	225360	\$4,500.00
2,000 lb	225361	\$4,500.00
2,500 lb	225362	\$4,500.00
5,000 lb	225363	\$4,500.00
10,000 lb	225364	\$6,725.00
15,000 lb	225365	\$6,725.00
20,000 lb	225366	\$6,725.00
25,000 lb	225367	\$6,725.00
50,000 lb	225368	\$14,180.00
75,000 lb	225369	\$14,180.00
4-Module Kit		
1,000 lb	225370	\$5,865.00
1,500 lb	225371	\$5,865.00
2,000 lb	225372	\$5,865.00
2,500 lb	225373	\$5,865.00
5,000 lb	225374	\$5,865.00
10,000 lb	225375	\$8,800.00
15,000 lb	225376	\$8,800.00
20,000 lb	225377	\$8,800.00
25,000 lb	225378	\$8,800.00
50,000 lb	225379	\$18,815.00
75,000 lb	225380	\$18,815.00
Dummy Load Cell		
1,000 to 5,000 lb	18236	\$26.00
10,000 to 25,000 lb	18237	\$42.00

Dimensions

Rated Capacity	C	H	H1	H2	L	L1	L2	L3	T	W	W1	W2	W3
lb/in													
1,000 to 5,000	0.56	5.00	0.50	0.50	9.25	2.75	4.00	6.25	1/2-13 UNC	5.00	3.75	2.75	4.00
10,000 to 25,000	0.78	7.87	0.75	0.75	12.00	6.00	8.00	7.50	3/4-10 UNC	8.00	6.00	6.00	8.00
50,000 to 75,000	0.78	9.25	1.00	1.00	16.25	6.50	9.00	11.50	1 1/4-7 UNC	12.00	9.50	6.50	9.00

Complete Kit Includes

- Three or four RL1600 HE stainless steel compression mounts with RL77032SS HE stainless steel, hermetically sealed, double-ended shear beam load cells
- One JB4SS NEMA Type 4X stainless steel signal trim junction box
- 25 ft of hostile environment EL147HE SURVIVOR load cell cable

Standard Features

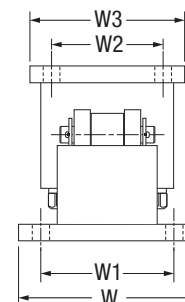
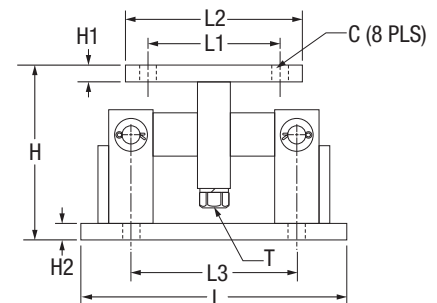
- Stainless steel construction
- Self-checking, easy-to-use design allows module to be bolted directly to tank leg without requiring additional mounting plates or load buttons
- Center loaded

Applications

- Medium-capacity tanks, bins and hoppers
- Bulk material management
- Ingredient batching, mixing and blending

Shims, Stainless

	Part #	Price
1,000 to 5,000 lb		
0.0625 in	150852	\$7.00
0.125 in	150853	\$12.00
0.250 in	150854	\$18.00
10,000 to 25,000 lb		
0.0625 in	150855	\$19.00
0.125 in	150856	\$30.00
0.250 in	150857	\$65.00
50,000 to 75,000 lb		
0.0625 in	150858	\$27.00
0.125 in	150859	\$38.00
0.250 in	150861	\$79.00



WEIGH MODULES

MVS Mount/MVS

Mild Steel, Weigh Module Conversion Kit



Picture is a representation of actual product.

Load Cell Approvals



Order Information

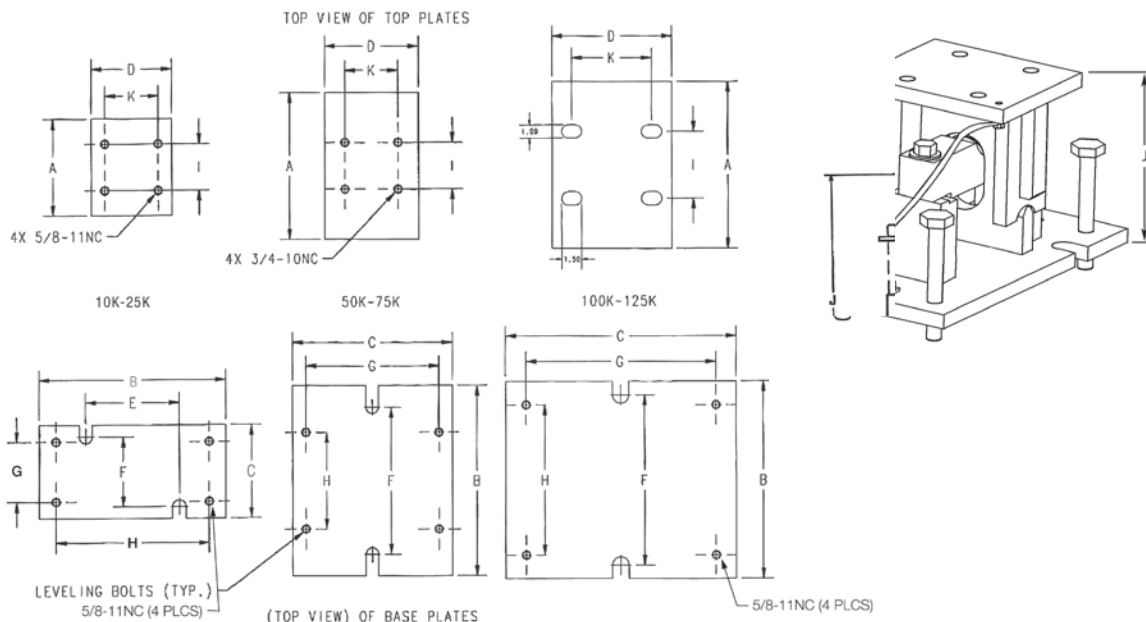
Load Rating (Per Module)	Part #	Price
MVS Mount (Does NOT Include Load Cell)		
10,000 to 25,000 lb	71200	\$725.00
50,000 to 75,000 lb	46441	\$865.00
100,000 to 125,000 lb	68520	\$1,475.00
MVS Conversion Kits (Includes 75,000 lb* Load Cells, Mounts and Junction Box)		
4-module kit	68495	\$7,505.00
6-module kit	68496	\$11,050.00
8-module kit	68497	\$15,020.00
10-module kit	68498	\$19,465.00
Dummy Load Cell		
50,000 to 75,000 lb	169388	\$175.00
100,000 to 125,000 lb	159696	\$212.00

Custom heights available; Consult

*Consult for other capacity requirements

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	I	J	K
lb/in											
10,000 to 25,000	7.25	14.00	7.00	6.00	7.00	5.25	4.50	11.50	3.50	8.50	4.00
50,000 to 75,000	11.00	14.25	12.00	7.00	—	11.00	10.00	7.25	3.50	11.53	4.00
100,000 to 125,000	12.50	14.75	17.25	9.00	—	12.75	14.25	11.25	5.00	14.21	6.00



Complete Kit Includes

- Four to ten MVS mild steel mounts with RL75058-LP 75,000 lb NTEP Certified alloy steel environmentally sealed double-ended beam load cells
- One JB8SPT NEMA 4 Type signal trim junction box (JB1010 on 10 module kit)
- 100 ft of hostile environment EL147HE SURVIVOR® load cell cable

Standard Features

- Capacity (per module): 10,000 to 125,000 lb
- Mild steel construction
- Specially hardened center link
- Self-checking design
- Self-centering design
- Accommodates thermal expansion and contraction
- Compatible with VPG® Sensortronics® 65058 or VPG® Celtron® CLB

Applications

- Truck scale conversion
- Heavy-capacity horizontal tanks

Translink™ Parallel Link

Painted Mild Steel, Truck Scale Assembly



Mount only; does not include load cell.
Picture is a representation of actual product.

Standard Features

- Capacities (per module): 25,000 to 100,000 lb
- Painted mild steel construction
- Center-supported, end-loaded double-ended shear beam design
- Free movement in all directions in the horizontal plane with virtually no friction
- Links provide optimal loading conditions for the cell
- Self-centering
- Requires no check rods
- Utilizes cells with 3 mV/V output
- Compatible with Rice Lake RL75223 and RL75040, VPG® Revere 5223 and VPG® Sensortronics® 65040A load cells

Applications

- Truck scale mount
- Heavy-capacity horizontal tanks

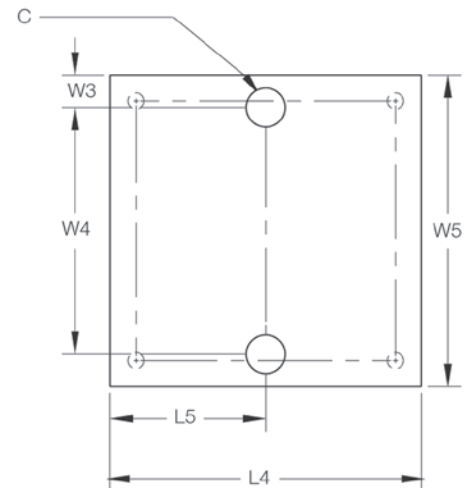
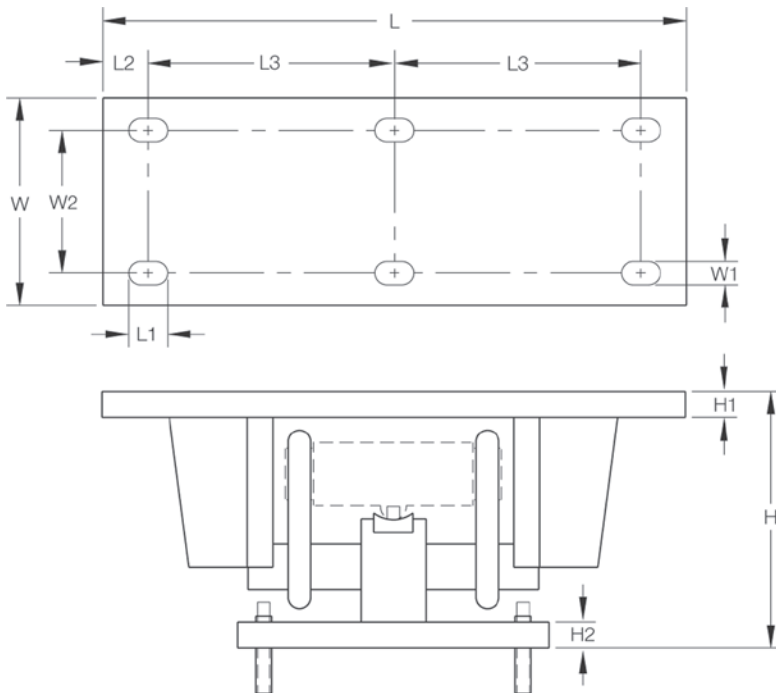
Order Information

Load Rating (Per Module)	Part #	Price
For Use With RL75223, 5223 Load Cells		
50,000 to 100,000 lb	17970	\$885.00
For Use With RL75040, 65040A Load Cells		
25,000 to 40,000 lb	17971	\$885.00
50,000 to 75,000 lb	17972	\$885.00

Mount only; does not include load cell

Dimensions

Rated Capacity	C	H	H1	H2	L	L1	L2	L3	L4	L5	W	W1	W2	W3	W4	W5
lb/in																
50,000 to 100,000 (RL75223, 5223)	1.50	12.93	1.00	1.00	22.50	1.50	1.75	9.50	11.75	5.88	7.75	0.91	5.25	1.25	9.25	11.75
25,000 to 40,000 (RL75040, 65040A)	1.50	9.88	1.00	1.00	18.50	1.50	1.75	7.50	11.75	5.88	7.75	0.91	5.25	1.25	9.25	11.75
50,000 to 75,000 (RL75040, 65040A)	1.50	12.82	1.00	1.00	22.50	1.50	1.75	9.50	11.75	5.88	7.75	0.91	5.25	1.25	9.25	11.75



WEIGH MODULES

Motor Truck Scale

Electronic Weigh Module Conversion Kit



Picture is a representation of actual product.

Load Cell Approvals



Order Information

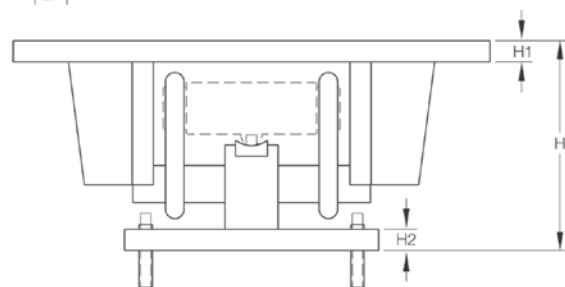
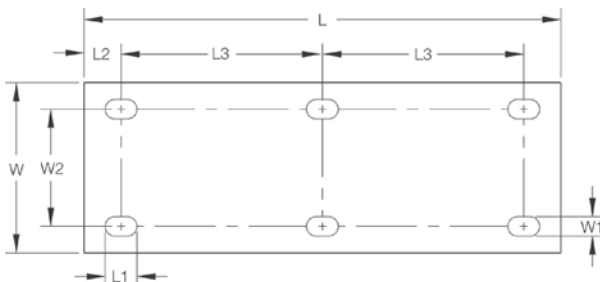
Load Cell Capacity (Per Module)	Part #	Load Cell Used In Kit	Price
4-Module Kit			
25,000 lb	30513	RL75040	\$6,324.00
40,000 lb	30514	RL75040	\$6,854.00
6-Module Kit			
50,000 lb	30515	RL75040	\$10,765.00
60,000 lb	30516	RL75040	\$10,765.00
8-Module Kit			
60,000 lb	30517	RL75040	\$13,899.00
75,000 lb	30518	RL75040	\$13,899.00
100,000 lb	30512	RL75223	\$16,787.00

SD refers to super duty, 100,000 lb capacity welded-seal load cells

Dimensions

Rated Capacity	C	H*	H1	H2	L	L1	L2	L3	L4	L5	W	W1	W2	W3	W4**	W5
lb/in																
50,000 to 100,000 (RL75223)	1.50	12.93	1.00	1.00	22.50	1.50	1.75	9.50	11.75	5.88	7.75	0.91	5.25	1.25	9.25	11.75
25,000 to 40,000 (RL75040)	1.50	9.88	1.00	1.00	18.50	1.50	1.75	7.50	11.75	5.88	7.75	0.91	5.25	1.25	9.25	11.75
50,000 to 75,000 (RL75040)	1.50	12.82	1.00	1.00	22.50	1.50	1.75	9.50	11.75	5.88	7.75	0.91	5.25	1.25	9.25	11.75

*Custom heights available; consult



Complete Kit Includes

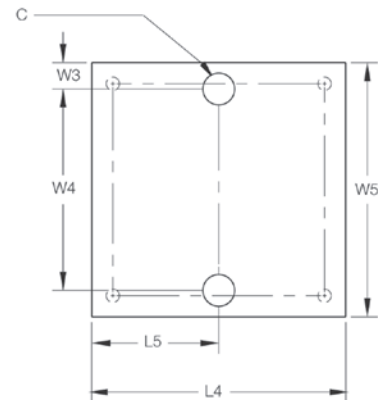
- Four, six or eight Translink™ mounting assemblies with NTEP Certified RL75040 or RL75223 welded-seal load cells
- One JB8SP NEMA Type 4X signal-trim junction box with individual and section trimming capability (six- and eight-mount kits) or one JB4SP NEMA Type 4X signal-trim junction box (four-mount kits)
- One UJB3T6 DC transient protector
- 100 ft of hostile environment EL147HE SURVIVOR® load cell cable

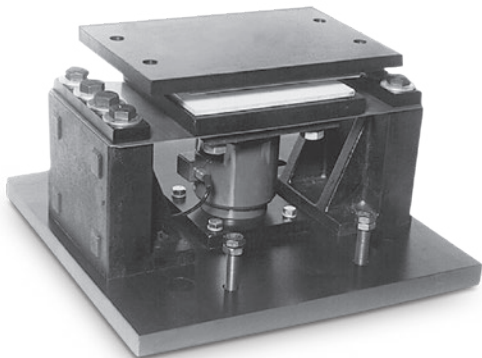
Standard Features

- Capacity (per module): 25,000 to 100,000 lb
- Cost and time efficient installation; no need to remove weighbridge
- Converts existing scale capacities of 40,000 to 300,000 lb
- Four, six or eight-mount kits for two, three or four section conversions
- Translink heavy-capacity mounting assemblies
- Free movement in all directions in the horizontal plane with virtually no friction
- Completely self-centering
- Requires no check rods
- Compatible with VPG® Sensortronics® 65040A or VPG® Revere 5223 load cells

Applications

- Updating existing mechanical motor truck scales
- Replacing unsatisfactory electronic motor truck scales
- Conversion of heavy-capacity scales into fully electronic vehicle scales where the existing scale cannot be removed





Mount only; does not include load cell.
Picture is a representation of actual product.

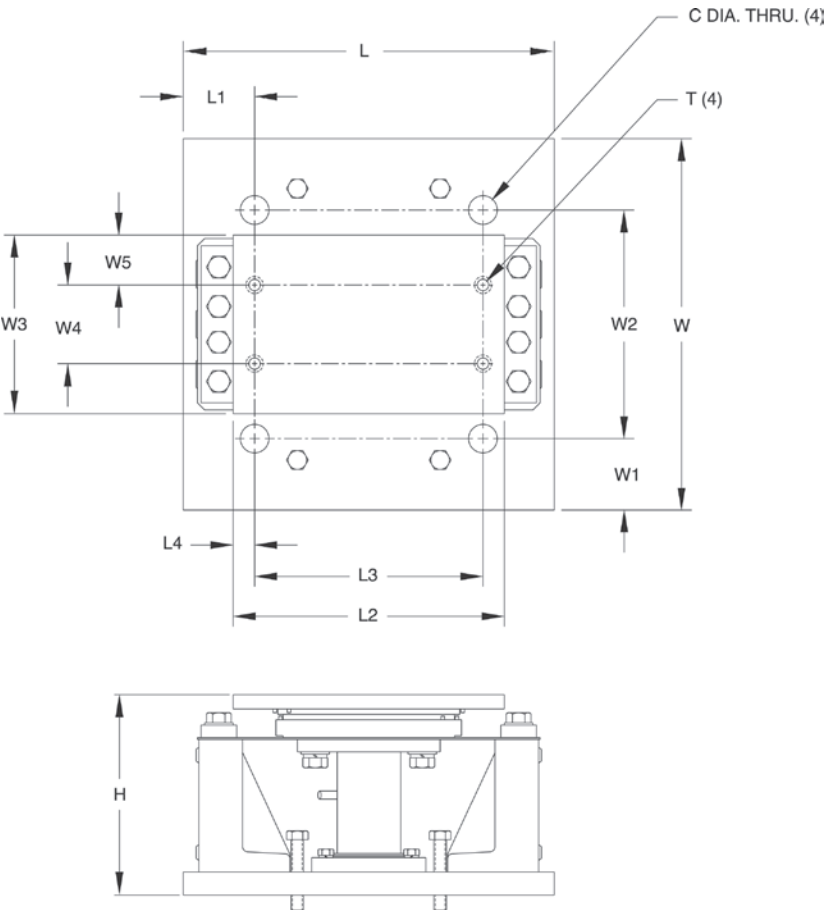
Order Information

Load Rating (Per Module)	Part #	Price
50,000 lb	21723	\$2,225.00
100,000 lb	21724	\$2,650.00
200,000 lb	17974	\$4,595.00

Mount only; does not include load cell

Dimensions

Rated Capacity	C	H	L	L1	L2	L3	L4	T	W	W1	W2	W3	W4	W5
lb/in														
50,000	1.25	7.39	13.00	1.75	11.25	8.50	1.37	3/4-10 UNC	12.00	1.75	8.50	8.00	4.50	1.75
100,000	1.50	11.29	20.00	2.25	18.00	15.50	1.25	7/8-9 UNC	17.00	2.50	12.00	9.00	5.50	1.75
200,000	2.00	14.10	26.00	5.00	19.00	16.00	1.50	1-8 UNC	26.00	5.00	16.00	12.50	5.50	3.50



Standard Features

- Capacities (per module): 50,000 lb, 100,000 lb and 200,000 lb
- Protects load cell from shock and side loads
- Low-profile design
- High-capacity and rugged load-bearing plate made of high-grade carbon steel hardened to Rockwell C 48-54
- PTFE coated shock-absorbing pads
- Compatible with VPG® Revere CP and CSP, and Rice Lake RLCSP1 NTEP Certified load cells

Applications

- Truck scale mount*
- Heavy-capacity horizontal tanks*
- Railroad track mount*

*Check rods required

Mettler Toledo® DigiTOL® Retrofit Kit

Stainless Steel, Rice Lake Weighing Systems/Flintec

RC1 Load Cells



Shown here with the JB8SP signal trim junction box.
Picture is a representation of actual product.

Load Cell Approvals



DigiTOL Retrofit Order information

Description	Part #	Price
8 mount kit, RC1-25 t (250kN) load cells, JB8SP junction box	78713	\$9,485.00
8 mount kit, RC1-25 t (250 kN) load cells, JB8SPT junction box	224897	\$9,895.00
10 mount kit, RC1-25 t (250 kN) load cells, two JB8SP junction boxes	78714	\$11,535.00
10 mount kit RC1-25 t (250 kN) load cells, JB8SPT junction box	224898	\$12,225.00
12 mount kit, RC1-25 t (250kN) load cells, JB8SP junction box	152774	\$14,225.00
12 mount kit RC1-25 t (250 kN) load cells, JB8SPT junction box	224899	\$14,900.00

Complete Kit Includes

- Eight, ten or twelve Flintec® NTEP Certified stainless steel, hermetically sealed rocker column load cells
- Upper and lower cups
- NEMA Type 4X signal trim junction boxes with transient protection
- 100 ft of hostile environment EL147HE SURVIVOR® load cell cable
- Grounding straps (JB8SPT kits only)

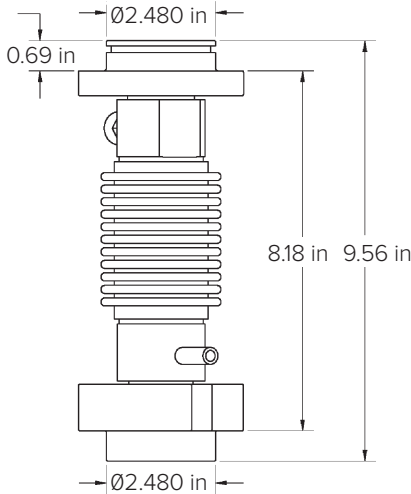
Standard Features

- Load cells are NTEP Certified 1:10,000 divisions, Class IIII*
- Converts existing Mettler Toledo DigiTOL scale to an analog-based load cell weighing system
- One-year limited warranty

**Consult your local Weights & Measures Authorities for local Legal for Trade requirements*

Applications

- Mettler Toledo DigiTOL truck scale conversion



RC1-25 t

Mettler Toledo® DigiTOL® Retrofit Kit

Stainless Steel, Rice Lake Weighing Systems/Flintec

RC3 Load Cells



Shown here with the JB8SP signal trim junction box
Picture is a representation of actual product

Load Cell Approvals



DigiTOL Retrofit Order information

Description	Part #	Price
8 mount kit RC3-50 t load cells, two EL304A junction boxes (truck/truck combo)	129844	\$12,995.00
8 mount kit RC3-50 t load cells, two EL304A junction boxes (truck only)	154347	\$12,995.00
8 mount kit RC3-50 t load cells, one JB8SPT junction boxes (truck/truck combo)	224900	\$13,200.00
8 mount kit RC3-50 t load cells, one JB8SPT junction boxes (truck only)	224901	\$13,200.00
10 mount kit RC3-50 t load cells, two JB8SP junction boxes (truck/truck combo)	111367	\$16,100.00
10 mount kit RC3-50 t load cells, three EL304A junction boxes (truck only)	154348	\$16,100.00
10 mount kit RC3-50 t load cells, two JB8SPT junction boxes (truck/truck combo)	224902	\$16,750.00
10 mount kit RC3-50 t load cells, two JB8SPT junction boxes (truck only)	224903	\$16,750.00
12 mount kit RC3-50 t load cells, three EL304A junction boxes (truck only)	154349	\$19,295.00
12 mount kit RC3-50 t load cells, two JB8SPT junction boxes (truck only)	224904	\$19,900.00

Complete Kit Includes

- Eight, ten or twelve Flintec® NTEP Certified stainless steel, hermetically sealed rocker column load cells
- Upper and lower cups
- NEMA Type 4X signal trim junction boxes with transient protection
- 100 ft of hostile environment EL147HE SURVIVOR® load cell cable
- Grounding straps (JB8SPT kits only)

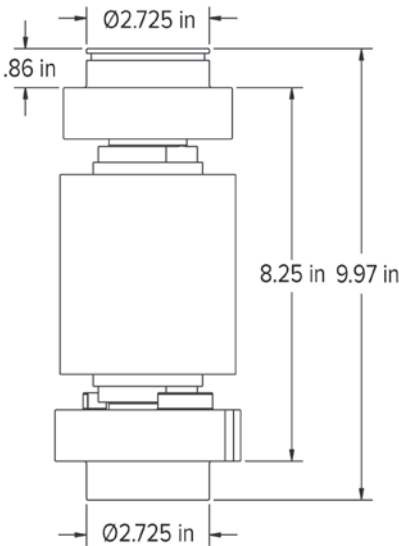
Standard Features

- Load cells are NTEP Certified 1:10,000 divisions, Class IIII*
- Converts existing Mettler Toledo DigiTOL scale to an analog-based load cell weighing system
- One-year limited warranty

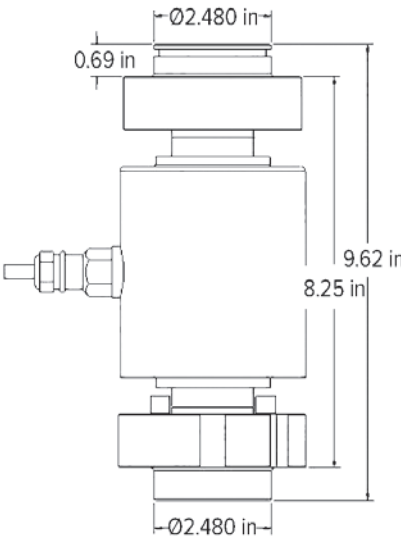
*Consult your local Weights & Measures Authorities for local Legal for Trade requirements

Applications

- Mettler Toledo DigiTOL truck scale conversion



RC3-50 t
TRACK



RC3-50 t
TRUCK

WEIGH MODULES

Rice Lake Analog Retrofit Kit

Stainless Steel, Analog Load Cells for Mettler Toledo PDX Digital Conversion to Analog



RL82025-50t Load Cells



Picture is a representation of actual product.

Load Cell Approvals



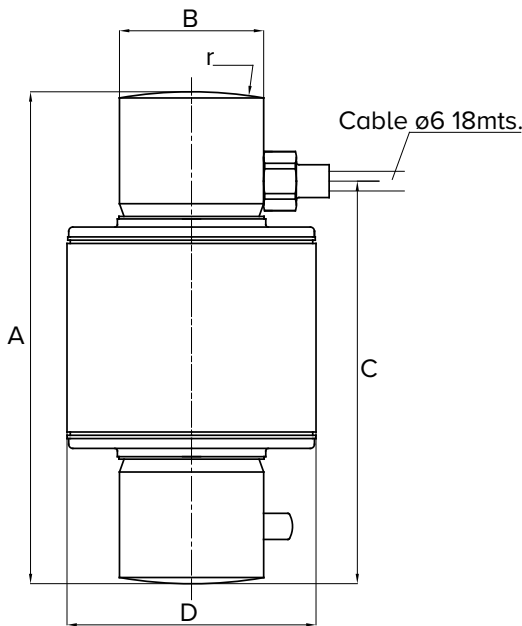
Load Cups

Digital Retrofit Order information

Description	Part #	Price
8 mount kit RL82025-50 t load cells, two JBSPT junction boxes	227964	\$8,455.00
10 mount kit RL82025-50 t load cells, three JBSPT junction boxes	227965	\$11,035.00

Dimensions

Rated Capacity	A	ø B	C	D	r
t/mm Analog Load Cells					
15	150.0	44.0	123.0	76.0	130.0
20	150.0	44.0	123.0	76.0	130.0
25	150.0	44.0	123.0	76.0	150.0
30	150.0	44.0	123.0	76.0	160.0
40	150.0	44.0	123.0	76.0	180.0
50	150.0	44.0	123.0	76.0	180.0



Complete Kit Includes

- Eight or ten Rice Lake NTEP Certified stainless steel, hermetically sealed, rocker column load cells
- Upper and lower cups
- Grounding straps
- NEMA Type 4X signal trim junction boxes with transient protection
- 100 ft of hostile environment EL147HE SURVIVOR® load cell cable

Standard Features

- Load cells are NTEP Certified 1:10,000 divisions, Class IIII*
- Converts Mettler Toledo PDX digital scales to analog
- Load cells have built-in surge protection and rated to IP69K
- Stainless steel overbraid cable
- Two-year limited warranty

*Consult your local Weights & Measures Authorities for local Legal for Trade requirements

Applications

- Mettler Toledo PDX digital truck scale conversion

Rice Lake Analog Retrofit Kit

Stainless Steel, Analog Load Cells for B-Tek Digital Conversion to Analog

RL82021-40t Load Cells



Shown here with the EL304A signal trim junction box.
Picture is a representation of actual product.

Load Cell Approvals



Complete Kit Includes

- Eight or ten Rice Lake NTEP Certified stainless steel, hermetically sealed, rocker column load cells
- Upper and lower cups
- Grounding straps
- NEMA Type 4X signal trim junction boxes with transient protection
- 100 ft of hostile environment EL147HE SURVIVOR® load cell cable

Standard Features

- Load cells are NTEP Certified 1:10,000 divisions, Class III*
- Converts B-TEK digital CPD-M scales to analog
- Load cells have built-in surge protection and rated to IP69K
- Stainless steel overbraid cable
- Two-year limited warranty

*Consult your local Weights & Measures Authorities for local Legal for Trade requirements

Applications

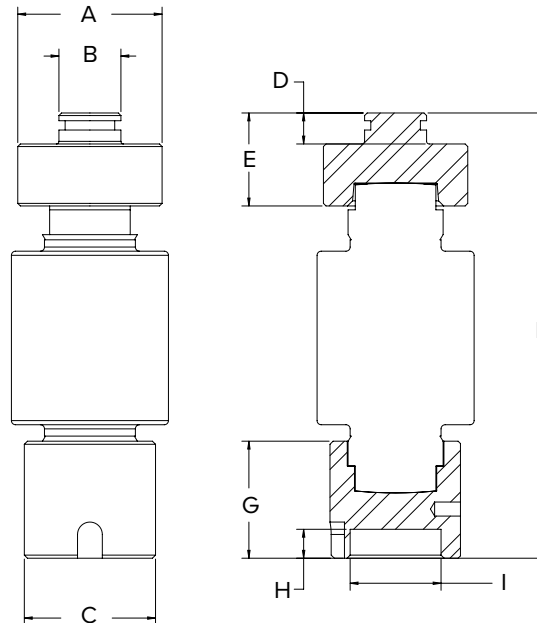
- B-TEK digital truck scale conversion

Digital Retrofit Order information

Description	Part #	Price
8 mount kit RL82021-40 t load cells, two EL304A junction boxes	216423	\$7,795.00
10 mount kit RL82021-40 t load cells, three EL304A junction boxes	216424	\$9,875.00

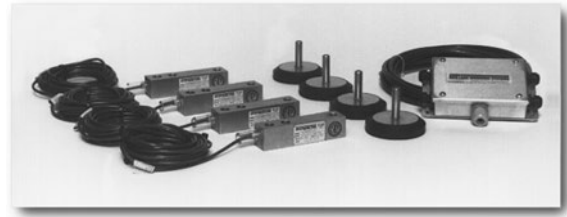
Dimensions

Analog Load Cells	
A	Ø2.75 in (70 mm)
B	Ø1.18 in (30 mm)
C	Ø2.50 in (64 mm)
D	0.59 in (15 mm)
E	1.77 in (45 mm)
F	8.48 in (215 mm)
G	2.23 in (57 mm)
H	0.55 in (14 mm)
I	Ø1.73 in (44 mm)



WEIGH MODULES

Electronic Floor Scale Underdeck Kits



Underdeck kits are provided to meet the application needs of the electronic floor scale producer and are an easy source for rebuilding existing floor scales. Underdeck kits are provided with mounting plates and load cell bolts for easy installation.

Economical Kit

Kit Includes

- (4) VPG® Celtron SQB alloy steel NTEP Certified 5,000 d, Class III load cells
- (1) JB4SS stainless steel NEMA Type 4X junction box
- (4) SureFoot® high-accuracy stainless steel support feet
- 20 ft EL147HE load cell cable
- (4) mounting plates and (8) load cell bolts

Order Information

Scale Base Capacity	Part #	Price
1,000 lb for 2,000 lb base	26436	\$1,195.00
2,500 lb for 5,000 lb base	26437	\$1,195.00
4,000 lb for 10,000 lb base	26438	\$1,195.00

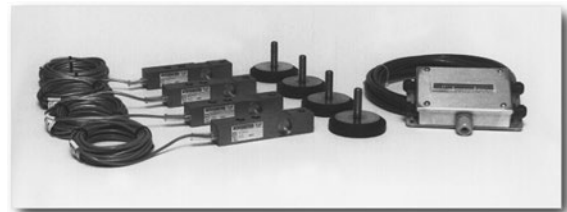
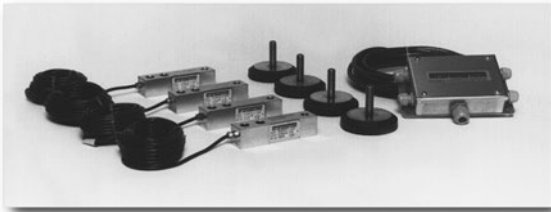
Chemical, Dry Corrosive & Non-Washdown Applications Kit

Kit Includes

- (4) VPG® Celtron SQB-HSS stainless steel NTEP Certified 5,000 d, Class III load cells
- (1) JB4SS stainless steel NEMA Type 4X junction box
- (4) SureFoot® high-accuracy stainless steel support feet
- 20 ft EL147HE load cell cable
- (4) mounting plates and (8) load cell bolts

Order Information

Scale Base Capacity	Part #	Price
1,000 lb for 2,000 lb base	19035	\$1,695.00
2,500 lb for 5,000 lb base	19036	\$1,695.00
4,000 lb for 10,000 lb base	19037	\$1,695.00



Standard Precision Applications Kit

Kit Includes

- (4) Rice Lake RL32018 alloy steel NTEP Certified 5,000 d, Class III load cells
- (1) JB4SS stainless steel NEMA Type 4X junction box
- (4) SureFoot high-accuracy stainless steel support feet
- 20 ft EL147HE load cell cable
- (4) mounting plates and (8) load cell bolts

NOTES: The use of NTEP Certified load cells in a scale base does not constitute approval of the completed base. Consult with local or state jurisdiction for compliance requirements.

Order Information

Scale Base Capacity	Part #	Price
1,000 lb for 2,000 lb base	19032	\$1,495.00
2,500 lb for 5,000 lb base	19033	\$1,495.00
4,000 lb for 10,000 lb base	19034	\$1,495.00

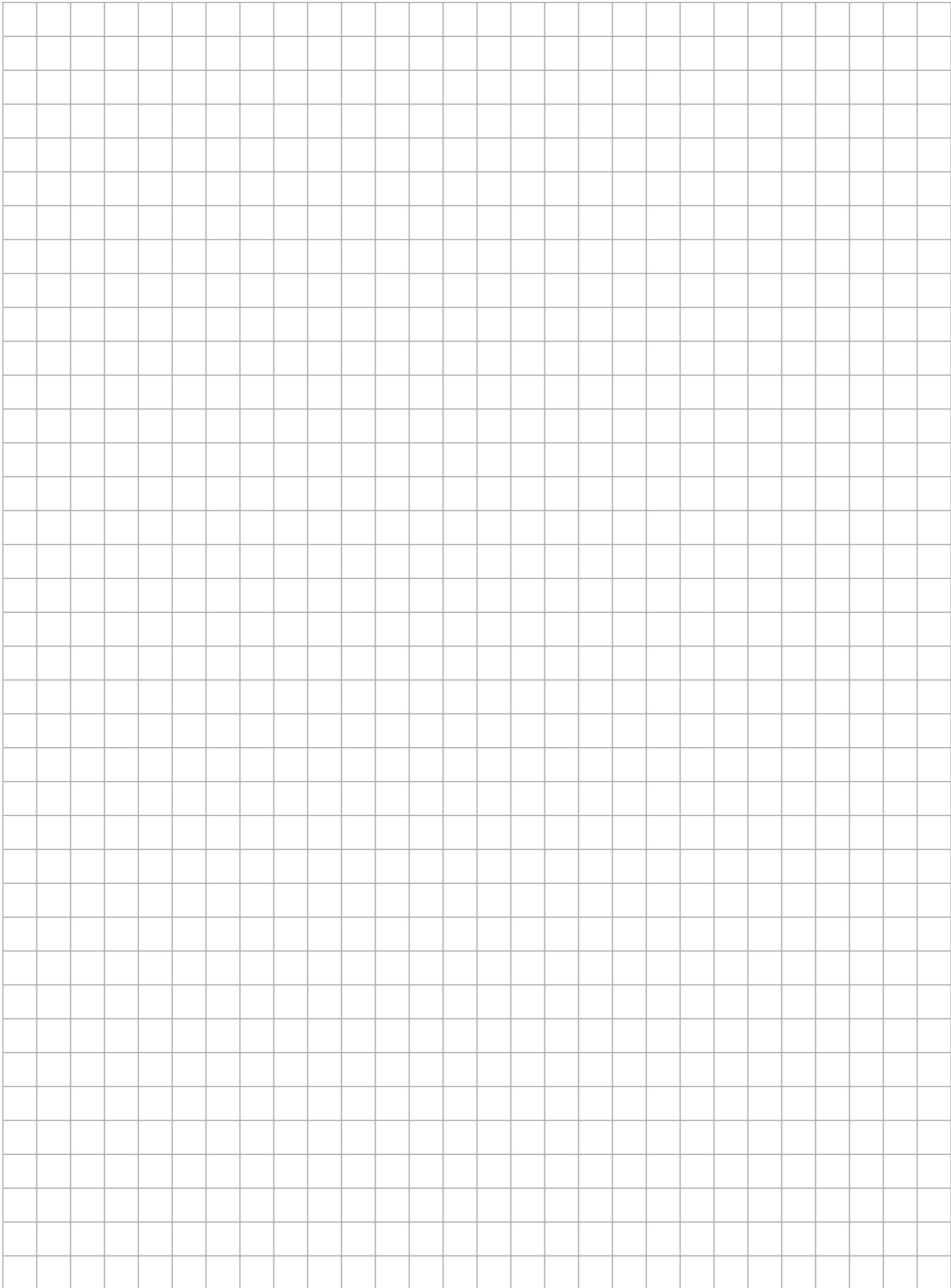
Wet Applications Kit

Kit Includes

- (4) Rice Lake RL32018S-HE welded-seal stainless steel NTEP Certified 5,000 d, Class III load cells
- (1) JB4SS stainless steel NEMA Type 4X junction box
- (4) SureFoot® high-accuracy stainless steel support feet
- 20 ft EL147HE load cell cable
- (4) mounting plates and (8) load cell bolts

Order Information

Scale Base Capacity	Part #	Price
1,000 lb for 2,000 lb base	19038	\$1,995.00
2,500 lb for 5,000 lb base	19039	\$1,995.00
4,000 lb for 10,000 lb base	19040	\$1,995.00



WEIGH MODULES

Rice Lake Weighing Systems

TABLE OF CONTENTS

S-BEAMS

Page 94

RL20000I, ALLOY STEEL



Ideally suited for scale conversions and general-purpose weighing. Compact and rugged design. Capacities range from 25 to 20,000 lb, with cable lengths available in 20, 30 or 35 ft, depending on the module.



Page 95

RL20000SS, STAINLESS STEEL



For suspended applications or mechanical scale conversions, this model provides the additional protection of stainless steel necessary in dry, corrosive environments. Available in capacities ranging from 50 to 20,000 lb with 20 ft of load cell cable.



Page 96

RL20000ST, STAINLESS STEEL



Ideally suited for suspended applications or mechanical scale conversions. The stainless steel design provides additional protection in dry, corrosive environments. The extremely miniature envelope is suitable for a wide variety of weighing applications in tension or compression. Capacities available from 50 to 5,000 lb, each comes with 20 ft of polyurethane cable.



Page 97

RL20001I, ALLOY STEEL



Suited for scale conversions, tension applications and general-purpose weighing. Compact and rugged design. Capacities range from 250 to 20,000 lb. Complete with 20 ft of load cell cable.



Page 98

RL20001HE, STAINLESS STEEL



A full stainless steel, welded-seal, S-beam featured in our ITCM HE products, and it is ideal for the harshest tension mounting applications. NTEP Certified capacities range from 500 to 5,000 lb; non-NTEP Certified capacity of 10,000 lb. Complete with 20 ft of load cell cable



Page 99

RLETS, ALLOY STEEL



Ideally suited for scale conversions and general-purpose weighing. OIML approved and metric envelope capacities range from 250 to 2,500 kg. Complete with 6 m of load cell cable.



SINGLE-ENDED BEAMS

Page 100

RL32022, ALLOY STEEL



The RL32022 is a metric version of the RL32018 load cell. Constructed of alloy steel and sealed to IP67 standards. OIML approved capacities range from 300 to 2,000 kg. Complete with 5 m of load cell cable.



Rice Lake Weighing Systems

SINGLE-ENDED BEAMS

Page 101

RL32022-S, STAINLESS STEEL



This stainless steel load cell is the metric version of the RL32018S. Sealed to IP67 standards, load cell capacities range from 300 to 5,000 kg. OIML approved and comes with 5 m of cable.



Page 102

RL32018, ALLOY STEEL



An alloy steel single-ended beam cell offered from 250 to 20,000 lb. Each load cell has 20 ft of cable and is FM approved and NTEP Certified from 500 to 10,000 lb.



Page 103

RL32018, MLC COATED ALLOY STEEL



This is a multi-layer coated (MLC) alloy steel single-ended beam load cell offered from 1,000 to 20,000 lb. Each load cell has 20 ft of cable and is FM approved. It is NTEP Certified from 1,000 to 10,000 lb and is ideal for fertilizer applications.



Page 104

RL32018S, STAINLESS STEEL



Available in capacities from 250 to 20,000 lb. Sealed to IP66 standards, each cell includes 20 ft of cable and is FM approved. NTEP Certified from 500 to 10,000 lb.



Page 105

RL32018S-P, STAINLESS STEEL



Sealed to IP69K standards, it has a 3 mV output and is FM approved. Available in capacities from 1,000 to 10,000 lb. Comes complete with 20 ft of PTFE cable.



Page 106

RL32018S-HE, STAINLESS STEEL



A hermetically sealed, stainless steel single-ended beam load cell with 20 ft of PTFE jacketed cable for protection in harsh environments. Sealed to IP69K standards, this cell is 3 mV/V and NTEP Certified capacities from 500 to 10,000 lb.



Page 107

RL32019S-HE, STAINLESS STEEL



A stainless steel single-ended beam with 2 mV/V and 30 ft of PTFE jacketed cable. Hermetically sealed to IP69K standards, perfect for tough environments. Available capacities from 1,000 to 10,000 lb.



Page 108

RL32218S-HE, STAINLESS STEEL



Available in capacities from 1,000 to 10,000 lb, this model is hermetically sealed and comes complete with either 20 ft of PTFE cable or 30 ft of rodent protection cable.



Page 109

RL9018SS, STAINLESS STEEL



Hermetically sealed with an IP68/IP69K rating, this stainless steel, single-ended beam load cell has NTEP Certified for capacities from 5 to 500 kg. Comes with 3 m of cable.



SINGLE-ENDED BEAMS

Page 110

RL30000I, ALLOY STEEL



This threaded hole, single-ended beam is designed for low-profile scales and process applications. NTEP Certified cells in capacities ranging from 1,000 to 10,000 lb. Non-NTEP Certified cells in 250, 500 and 20,000 lb capacities. Complete with 20 ft of load cell cable.



Page 111

RL30002, ALLOY STEEL



Single-ended beam designed for low-profile scales and process applications. NTEP Certified cells in capacities ranging from 1,000 to 5,000 lb SE. Complete with 20 ft of load cell cable.



Page 112

RLH35, STAINLESS STEEL



Stainless steel construction and integral mounting foot as well as dimensional and electrical interchangeability with several load cell manufacturers. Available in a 500 lb capacity with 20 ft of load cell cable.



Page 113

RL39123, STAINLESS STEEL



Single-ended beam in stainless steel. Designed for low-profile scales and process applications. Capacities range from 250 to 10,000 lb. Complete with 20 or 30 ft of load cell cable, depending on the module.



Page 114

RL32018S-T, STAINLESS STEEL



Replacement for the RL30745 load cell used in RLTM weigh modules and for the Mettler Toledo® model 745. Complete with 15 or 30 ft cable. NTEP Certified and FM approved. Capacities available from 500 to 10,000 lb.



Page 115

RLHTO, STAINLESS STEEL



The low profile, hermetic sealing and high-accuracy makes the RLHTO suitable for low-profile platforms, pallet truck weighers, tanks and silos. Capacities available from 500 to 5,000 kg and is complete with 5 m of load cell cable.



Page 116

RLSSB, STAINLESS STEEL



Rugged and precise single-ended beam offers welded-seal protection and stainless steel construction. Designed for use in the most hostile environments. Applications include platform scales, materials testing and process weighing. Capacities range from 1,000 to 10,000 lb. Complete with 15 ft of load cell cable.



Page 117

RLSB250/RLSB250T, STAINLESS STEEL



Interchangeable with Cardinal® SB2500. Stainless steel construction with welded seal. NTEP Certified capacity of 2,500 to 10,000 lb available. Comes complete with 15 or 20 ft of load cell cable.



Page 118

RL50219SS, STAINLESS STEEL



A direct replacement for the RL50210SS stainless cantilever beam cell. It has an IP65 rating and comes with 20 ft of cable. Used in the RL50210SS-TA weigh modules in capacities from 25 to 500 lb.

Rice Lake Weighing Systems

SINGLE-ENDED BEAMS

Page 119

RL50225, ALLOY STEEL

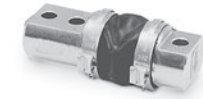


Capacities range from 25 to 100 lb, and it can be used for tension or compression loading applications. The RL50225 comes with 20 ft of cable.



Page 120

RL50210, ALLOY STEEL



Designed for tension or compression loading applications. Capacities range from 25 to 500 lb. Complete with 20 ft of load cell cable.



Page 121

RL40BBS, ALLOY STEEL



Designed for precision force and weight measurement. Capacities range from 50 to 2,500 lb. Complete with 10 ft of load cell cable.

Page 122

RL32011WB-L, STAINLESS STEEL



A Legal for Trade link-style replacement for the Avery Weigh-Tronix® Weigh Bar®. Stainless steel construction and IP67 rating for a variety of floor scale, mount assembly and truck scale designs. Standard capacities range from 1,250 to 10,000 lb. Complete with 20 ft of load cell cable.



Page 123

RL32011WB-T, STAINLESS STEEL



A direct replacement for the threaded style Avery Weigh-Tronix® Weigh Bar®, with improved stainless steel construction and a potted IP67 housing. Available in 1,250 or 2,500 lb capacities and comes with 20 ft of load cell cable.



DOUBLE-ENDED BEAMS

Page 124

RL72020, ALLOY STEEL



An alloy steel, double-ended beam load cell ideal for truck, tank and hopper applications. Complete with 30 ft of load cell cable and available in capacities of 5,000 to 250,000 lb.



Page 125

RL72020SS, STAINLESS STEEL



A stainless steel, double-ended beam load cell with an environmental seal and is NTEP Certified. Available in capacities of 5,000 to 150,000 lb and complete with 30 ft of cable.



Page 126

RL72020, MLC COATED ALLOY STEEL



This multi-layer coated (MLC) alloy steel, double-ended beam load cell has capacities from 5,000 to 250,000 lb. Each load cell has 30 ft of cable and is ideal for fertilizer, tank, and hopper applications.



DOUBLE-ENDED BEAMS

Page 127

RL72019SS, STAINLESS STEEL



A direct replacement for the RL72010MH load cell. It is stainless steel and has a welded seal. Complete with 25 ft of cable and is available in capacities from 5,000 lb to 60,000 lb.



Page 128

RL77032, ALLOY STEEL



This alloy steel double-ended beam load cell features center loading, with capacities ranging from 1,000 to 75,000 lb. It is designed for tank and hopper applications and has 25 ft of cable.



Page 129

RL77032SS, STAINLESS STEEL



Designed for tank and hopper applications, the RL77032SS is built with stainless steel to resist corrosive materials. It's a double-ended beam with center loading and a capacity ranging from 1,000 to 75,000 lb. The RL77032SS comes with 25 ft of cable.



Page 130

RL77032SS HE, STAINLESS STEEL



The RL77032SS HE is designed for use in the harshest environments, constructed with stainless steel and is hermetically sealed. It is a double-ended beam with center loading, handling a capacity range of 1,000 to 75,000 lb, equipped with 25 ft of cable.



Page 131

RL75016, ALLOY STEEL



Designed for tank and hopper applications. An alloy steel double-ended beam load cell with center loading. Capacities range from 1,000 to 75,000 lb. The load cell comes with 25 ft of load cell cable.



Page 132

RL75016, MLC COATED ALLOY STEEL



A version of the RL75016 load cell but with multi-layer coating (MLC) for extra protection in dry chemical applications. It is a double-ended beam with center loading and is designed for tank and hopper applications. Capacities range from 1,000 to 75,000 lb. Complete with 25 ft of load cell cable.



Page 133

RL75016SS, STAINLESS STEEL



Double-ended beam with center loading. Designed for tank and hopper applications. Stainless steel provides protection against corrosive materials. Capacities range from 1,000 to 75,000 lb. Complete with 25 ft of load cell cable.



Page 134

RL75016SS-W, STAINLESS STEEL



A double-ended beam, stainless steel load cell designed for tank and hopper applications. Capacities range from 5,000 to 25,000 lb and come with 25 ft of load cell cable.

Rice Lake Weighing Systems

DOUBLE-ENDED BEAMS

Page 135

RL75016WHE, STAINLESS STEEL



Double-ended beam with center loading and designed for tank and hopper applications. Stainless steel construction and hermetic sealing provide protection in hostile environments. Capacities range from 1,000 to 25,000 lb. Complete with 25 ft of load cell cable.



Page 136

RL75058I, FOR RICE LAKE COIL SCALE



Nickel-plated and environmentally sealed with stainless steel side plates. Used in the Rice Lake Weighing Systems® coil scale. Capacities range from 20,000 to 75,000 lb, complete with 35 ft of load cell cable.



Page 137

RL75058-LP, ALLOY STEEL



Nickel-plated, high-alloy steel load cell with built-in lightning protection. Available in capacities from 10,000 to 125,000 lb. Sealed to IP67 standards, it has a 3 mV/V output and is FM approved and NTEP Certified.



Page 138

RL75058S-LP, STAINLESS STEEL



A stainless steel, hermetically sealed load cell with built-in lightning protection. It is available in capacities 10,000 to 125,000 lb with an IP68/IP69K rating.



Page 139

RL75060S, STAINLESS STEEL



Provides durability and accuracy in high-capacity process measurement and control. Ideal for vehicle weighing in hostile environments. Units are NTEP Certified and available in a 100,000 lb capacity with 35 ft of cable and 25,000 lb with 60 ft of cable.



Page 140

RL75223, ALLOY STEEL



High-performance, end-loaded, center-supported shear beam. Designed for low-profile truck and track scales in harsh environments. Welded seal provides superior protection. Parallel link loading provides free movement in all horizontal directions. Compatible with Translink™ mounts. Capacities range from 50,000 to 100,000 lb with 40 ft of cable.



Page 141

RLDB50000S, STAINLESS STEEL



Stainless steel, welded-seal load cell designed as an interchangeable load cell for the Cardinal® DB50000S. It is NTEP Certified for 10,000 divisions and has 35 ft of cable standard. Available in 50,000 lb capacity.



Page 142

RL75040, ALLOY STEEL



Double-ended beam load cell. Nickel -plated and environmentally sealed with stainless steel plates. Designed for center mounting and double link loading, compatible with Unilink/Translink™ suspension up to 75,000 lb. Capacities range from 25,000 to 125,000 lb. Complete with 35 ft of load cell cable. Optional 40 or 50 ft cable available with some capacities.



COMPRESSION CANISTERS

Page 143

RLCSP1, STAINLESS STEEL



Welded-seal, stainless steel canister cell designed for vehicle and process applications. High capacity load cell is built for reliability, durability and extreme precision. Ideal for applications where optimal precision and durability are needed. Capacities range from 25,000 to 200,000 lb. Complete with 35 or 80 ft of load cell cable.



Page 144

RL8C2P1SST, STAINLESS STEEL



Single-column design with low deflection; hermetically sealed for extra protection tough conditions. Stainless steel for use in harsh environments. Compact and rugged. Capacities of 50,000, 100,000 and 200,000 lb. Complete with 35 ft of load cell cable.



ROCKER COLUMN

Page 145

RL82025, STAINLESS STEEL



The RL82025 is a stainless steel, hermetically sealed rocker style load cell. It features built in lightning protection and is available in 30 t and 50 t capacities. It is provided in our Mettler Toledo PDF replacement weigh module kits. Comes with 18 m of cable.



Page 146

RL82021, STAINLESS STEEL



The RL82021 is a stainless steel, hermetically sealed rocker style load cell. It features built-in lightning protection and stainless over braid cable. It is available in 30 and 40 t capacities with 18 m of cable.



Page 147

RLSCA-50K, STAINLESS STEEL



A replacement for Cardinal® SCA products. Features stainless steel construction and welded sealing to provide IP67 environmental protection. Includes a load cell and two retrofit cups that allow match up with various field applications. NTEP Certified. Provides easy installation and access. Available in a 50,000 lb package, comes with 30 ft of standard load cell cable.



Page 148

RL70510/RL80453, STAINLESS STEEL



Replacements for the Fairbanks Scales® 70510 and 80453 rocker cells found in many truck scales. Stainless steel and hermetically sealed. Complete with 15 ft of load cell cable.



Page 149

RL75114-50K, STAINLESS STEEL



Stainless steel, hermetically sealed rocker column designed to interchange with the Fairbanks Scales® part number 64166. Comes with 30 ft of overbraid cable to protect it from abrasion and pests. NTEP Certified.



Rice Lake Weighing Systems

COMPRESSION DISK

Page 150

RL90000, ALLOY STEEL



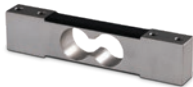
Environmentally sealed low-profile compression disk. Models with capacities of 5,000 and 10,000 lb can also be used in tension loading applications. Shear web design provides excellent performance and its low profile makes it ideal for applications where height is critical. Capacities range from 5,000 to 100,000 lb. Complete with 50 ft of load cell cable.



SINGLE POINTS

Page 151

RLPC3SS, STAINLESS STEEL



Stainless steel, environmentally sealed single point load cell that is ideally suited for bench scales. NTEP Certified and OIML approved with capacities from 7 to 150 kg. 10 ft of cable standard.



Page 152

RLPC4SS-HE, STAINLESS STEEL



Stainless steel, hermetically sealed single point load cell designed for bench scales used in washdown applications. Available in capacities from 10 to 100 kg, comes with 10 ft of load cell cable. NTEP Certified and OIML approved.



Page 153

RLPC6, STAINLESS STEEL



Stainless steel, hermetically sealed single point load cell ideal for wet environments. NTEP Certified and comes with 3 m of cable. Capacities range from 10 to 200 kg.



Page 154

RLPWM15HE, STAINLESS STEEL



Hermetically sealed, stainless steel, single point load cell. Available in capacities ranging from 10 to 100 kg. NTEP Certified and comes complete with 2.83 or 10 ft of load cell cable.



Page 155

RLPWM15, STAINLESS STEEL



Environmentally sealed and replaces the HBK® PW15 for many bench scale types. Comes in a range of capacities from 10 to 100 kg and has 3 m of load cell cable. NTEP certified and FM approved.



Page 156

RLPCBC-60, STAINLESS STEEL



Stainless steel, hermetically sealed, single point load cell that can be used in wet environments. NTEP Certified and comes complete with 10 ft of load cell cable. Capacity ranges from 50 to 1,000 kg.



Page 157

RL1521A, ALUMINUM



Low-profile, single point load cell designed for electronic bench scales and platform scales. A replacement for the VPG®, BLH® and NMB C2G1. Capacities range from 3 to 35 kg and come complete with 1.5 or 10 ft of load cell cable.



SINGLE POINTS

Page 158

RL1010, ALUMINUM



Off-center loading load cell designed for long-lasting, durable mounting of the weighing platform. Load cells with potted cavities are available for improved performance in damp environments. Potted model capacities range from 7 to 90 kg with 10 ft of load cell cable. Unpotted model capacities range from 3 and 5 kg with 3 ft of load cell cable. NTEP Certified from 10 to 50 kg.



Page 159

RLSP4, ALUMINUM



A low-profile, off-center loading, single-point load cell designed for retail, postal and platform scale applications. Manufactured from aluminum, moment compensated for optimal accuracy and protected by a quality gauge coating compound that provides a barrier against high humidity environments. Available in capacities ranging from 7 to 100 kg, and comes standard with 10 ft of load cell cable.



Page 160

RLPWM16, ALUMINUM



A single point, aluminum load cell in a 75 kg capacity. This load cell has a potted cavity and offers excellent performance in damp environments. Complete with 10 ft of load cell cable.



Page 161

RL1042, ALUMINUM



A low-profile single point for platform weighing, this model is constructed of aluminum, and is a two-beam design. This design offers high immunity to side forces and is specially coated to provide humidity resistance. The unit is available in 1 kg capacity. Complete with 10 ft of load cell cable.



Page 162

RL1040, ALUMINUM



The RL1040 maintains long-term stability and durability. Potted cavities provide improved performance in damp environments. NTEP Certified capacities range from 5 to 100 kg. Complete with 10 ft of load cell cable.



Page 163

RL1140, STAINLESS STEEL



A single point load cell constructed of stainless steel. Ideal for platform scales, and packaging and process weighing equipment. Capacities range from 15 to 150 kg. Complete with 10 ft of load cell cable.



Page 164

RL1380, STAINLESS STEEL



Designed for high performance in wet environments, these single point load cells provide an excellent option when stainless steel is required for an application. Available in capacities ranging from 7 to 60 kg. Complete with 10 ft of load cell cable.



Page 165

RL1385, STAINLESS STEEL



Low-profile, off-center loading load cell. Designed for direct mounting on weighing platforms, hanging scales and other low-capacity beam applications. Stainless steel construction with a humidity-resistant protective coating provides long-term stability, even in harsh environments. Potted cavities provide improved performance in damp environments. Capacities range from 10 to 200 kg. Complete with 10 ft of load cell cable. The 100,000 and 200,000 kg capacities are not NTEP Certified.



Rice Lake Weighing Systems

SINGLE POINTS

Page 166

RL260FD, STAINLESS STEEL



A Rice Lake fluid dampened load cell. The stainless steel housing and standard breather tube provide excellent protection in most applications. Available from 2 to 50 kg capacities and comes with 5 m of load cell cable. NTEP Certified and FM approved.



Page 167

RL26018A, ALUMINUM



Ideal for bench scales. Comes in capacities from 50 to 635 kg. NTEP and FM approved and is environmentally sealed to IP67 standards. Complete with 10 ft of load cell cable.



Page 168

RL1218A, ALUMINUM



A high-capacity, off-center loading load cell. Capacities range from 50 to 1,000 kg and comes complete with 10 ft of load cell cable. Features potted cavities that offer excellent performance in damp environments.



Page 169

RL42018A, ALUMINUM



An aluminum, IP66 single point load cell. Available in capacities ranging from 3 to 100 kg and has NTEP Certified and FM approvals. Includes 10 ft of load cell cable.



Page 170

RLFLS, STAINLESS STEEL



Interchangeable with the Avery Weigh-Tronix® FLS, Rice Lake's single point RLFLS is ideal for many bench scale applications. The potted RLFLS is stainless steel and rated at IP67, available in a 50 lb capacity with 10 ft of load cell cable.

PLANAR BEAMS

Page 171

RLBLP, ALUMINUM



Low-profile aluminum sensor that can be used in bench scales or low-profile floor scales. Available in capacities ranging from 15 to 150 kg. Each module comes complete with 1 or 1.5 m of load cell cable.

TENSION LINK

Page 172

RL2010 TENSION LINK



Ranges in capacities of 5,000 to 500,000 lb and comes with 40 ft of load cell cable. Constructed of stainless steel. Ideal for unique tension applications.

MSI

Page 173

MSI LOAD PIN SENSORS



A key component of MSI's integrated overhead weighing solutions is the Load Pin Sensor. Typically designed and manufactured specifically to each integrated solution, the MSI load pin is strictly industrial grade. Each load pin design is precision machined from 17-4 stainless steel for safety, strength and corrosion resistance.

Page 174

MSI LOAD PIN QUESTIONNAIRE

The MSI Load Pin Questionnaire must be completed prior to quoting. An accurately completed questionnaire will ensure a proper installation with the highest accuracy.

Page 175

MSI TENSION LINK



The MSI Tension Link integrates between a crane block and lifting equipment to provide force measurement for lifted items, making it an ideal integration for cranes. The MSI Tension Link features a 7:1 safety factor for compliance with industrial and military safety requirements.

Page 176

MSI CLAMP-ON



The MSI Clamp-on load cell is a durable solution for measuring wire rope tension, providing dependable overload detection and prevention for overhead cranes and hoists. Available in two envelopes to accommodate most common wire ropes, 3/8 inch to 1/2 inch and 9/16 inch to 3/4 inch, the MSI Clamp-on installs quickly and easily to the wire rope dead end. Weight-based setpoints can be used to communicate with crane electronics providing operator alerts and safety shutoffs based on unsafe load conditions.



Picture is a representation of actual product.

Approvals



Order Information

Load Rating	Part #	Est. Weight	Price
25 lb	21428	2 lb	\$290.00
50 lb	21429	2 lb	\$290.00
75 lb	21430	2 lb	\$290.00
100 lb	21431	2 lb	\$290.00
150 lb	21432	2 lb	\$290.00
200 lb	21433	2 lb	\$290.00
250 lb	21434	2 lb	\$290.00
300 lb	21435	2 lb	\$290.00
500 lb	21436	2 lb	\$290.00
750 lb	21437	2 lb	\$290.00
1,000 lb	21438	2 lb	\$290.00
1,500 lb	21439	2 lb	\$290.00
2,000 lb***	21356	2 lb	\$358.00
2,000 lb	21440	2 lb	\$290.00
2,500 lb	21441	2 lb	\$290.00
3,000 lb	21442	4 lb	\$335.00
5,000 lb***	17044	4 lb	\$505.00
5,000 lb	21443	4 lb	\$470.00
10,000 lb	21444	4 lb	\$470.00
15,000 lb	21445	7 lb	\$590.00
20,000 lb***	17045	17 lb	\$995.00
20,000 lb	21446	17 lb	\$925.00
Conduit Adapter Kit* (must be factory installed to maintain warranty)			
3/8-24 nipple	31533*	1 lb	\$40.00
3/8-24 to 1/4-18 NPT	31534*	1 lb	\$40.00
Replacement Agriculture Scale Load Cell - 40 ft Cable			
10,000 lb	151746	5 lb	\$493.00

*PN 31533 and PN 31534 must be installed together to form the Conduit Adapter Kit

***These load cells have 30ft or 35ft of cable and trimmed outputs and are used in many batch plants

Dimensions

Rated Capacity	A	B	C	D	E
lb/in					
25 to 300	1/4-28 UNF	0.75	0.50	2.00	2.50
500 to 1,500	1/2-20 UNF	1.00	0.75	2.00	2.50
2,000 to 2,500	1/2-20 UNF	1.25	1.00	2.00	2.50
3,000	1/2-20 UNF	1.25	1.00	3.00	4.00
5,000 to 10,000	3/4-16 UNF	1.25	1.22	3.00	4.00
15,000	1-12 UNF	1.50	1.25	4.00	5.50
20,000	1 1/4-12 UNF	2.25	2.00	5.00	7.00

Interchangeable Products

ARTECH®

20210 (1-14 UNF) (15,000 lb thread is 1-12 UNF for Rice Lake model)

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

ITCM Isolated Tension Cell Mount.....page 34

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

350 (± 3) ohm

Input Resistance:

385 (± 5) ohm

Material/Finish:

High-alloy steel, nickel plated

Temperature:

Compensated:
14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.02% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

20 ft
30 ft (pn 17044 and 17045)
35 ft (pn 21356)

Cable Diameter:

0.200 in
Polyurethane jacket

Cable Color Code:

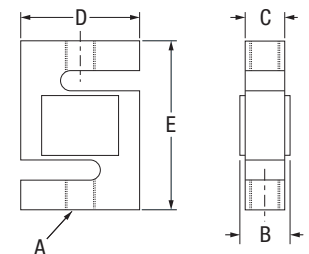
Red +Excitation
Black -Excitation
Green +Signal
White -Signal

Warranty:

Two-year limited

Approvals:

NTEP 90-158
cFmus





Picture is a representation of actual product.

Approvals



Order Information

Load Rating	Part #	Est. Weight	Price
NTEP Certified			
100 lb	46511	2 lb	\$315.00
250 lb	46503	2 lb	\$315.00
300 lb	181826	2 lb	\$315.00
500 lb	46504	2 lb	\$315.00
750 lb	46505	2 lb	\$315.00
1,000 lb	46506	2 lb	\$315.00
2,500 lb	46507	2 lb	\$315.00
3,000 lb	46508	4 lb	\$345.00
5,000 lb	46509	4 lb	\$505.00
10,000 lb	46510	4 lb	\$525.00
Non-NTEP Certified			
50 lb	17013	2 lb	\$315.00
15,000 lb	158375	7 lb	\$715.00
20,000 lb	158376	13 lb	\$950.00
Conduit Adapter Kit* (must be factory installed to maintain warranty)			
3/8-24 nipple	31533*	1 lb	\$40.00
3/8-24 to 1/4-18 NPT	31534*	1 lb	\$40.00

* PN 31533 and PN 31534 must be installed together to form the Conduit Adapter Kit

Dimensions

Rated Capacity	A	B	C	D	E
lb/in					
50 to 300	1/4-28 UNF	0.65	0.46	2.00	2.40
500 to 1,000	1/2-20 UNF	0.90	0.71	2.00	2.40
2,500	1/2-20 UNF	1.15	0.96	2.00	2.40
3,000	1/2-20 UNF	1.15	0.96	3.00	3.90
5,000	3/4-16 UNF	1.15	0.96	3.00	3.90
10,000	3/4-16 UNF	1.40	1.21	3.00	3.90
15,000	1-14 UNS	1.63	1.46	3.44	5.50
20,000	1 1/4-12 UNF	1.88	1.68	4.44	7.00

Interchangeable Products

VPG® REVERE

9363 page 244

ARTECH®

20210

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

ITCM Isolated

Tension Cell Mount.....page 34

Specifications

Full Scale Output:

3.0 (± 0.008) mV/V

Output Resistance:

350 (± 3.5) ohm

Input Resistance:

390 (± 15) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.03% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

20 ft

Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

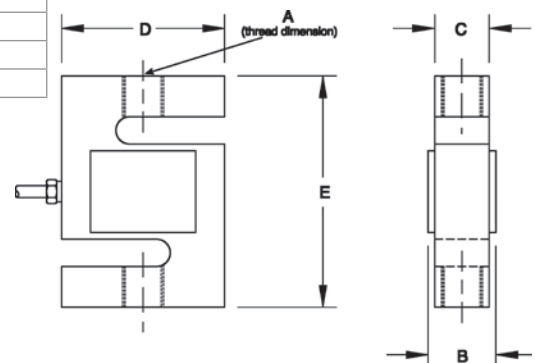
Warranty:

Two-year limited

Approvals:

NTEP 98-078

cFMus



S-BEAM
RL20000ST

Stainless Steel, Environmentally Sealed, NTEP Certified 1:10,000 Class IIIL Single Cell, IP67



Picture is a representation of actual product.

Approvals



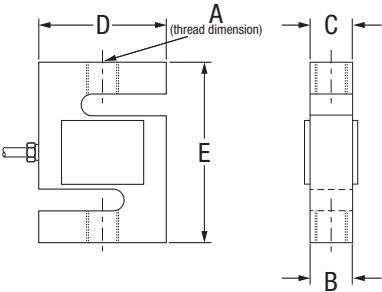
Order Information

Load Rating	Part #	Est. Weight	Price
50 lb	72741	2 lb	\$335.00
100 lb	72742	2 lb	\$335.00
200 lb	72743	2 lb	\$335.00
250 lb	72744	2 lb	\$335.00
300 lb	72745	2 lb	\$335.00
500 lb	72746	2 lb	\$335.00
750 lb	72747	2 lb	\$335.00
1,000 lb	72748	2 lb	\$335.00
1,500 lb	72749	2 lb	\$335.00
2,000 lb	72750	2 lb	\$335.00
2,500 lb	72751	2 lb	\$335.00
3,000 lb	72752	4 lb	\$440.00
5,000 lb	72753	4 lb	\$545.00
Conduit Adapter Kit* (must be factory installed to maintain warranty)			
3/8-24 nipple	31533*	1 lb	\$40.00
3/8-24 to 1/4-18 NPT	31534*	1 lb	\$40.00

*PN 31533 and PN 31534 must be installed together to form the Conduit Adapter Kit.

Dimensions

Rated Capacity	A	B	C	D	E
lb/in					
50 to 300	1/4-28 UNF	0.65	0.46	2.00	2.40
500 to 1,000	1/2-20 UNF	0.90	0.71	2.00	2.40
1,500 to 2,500	1/2-20 UNF	1.15	0.96	2.00	2.40
3,000	1/2-20 UNF	1.15	0.96	3.00	3.90
5,000	3/4-16 UNF	1.15	0.96	3.00	3.90



Specifications

- Full Scale Output:**
3.0 mV/V
- Output Resistance:**
350 (± 3.5) ohm
- Input Resistance:**
430 (± 60) ohm
- Material/Finish:**
Stainless steel
- Temperature:**
Compensated:
14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**
Environmentally sealed, IP67
- Safe Overload:**
150% full scale
- Rated Excitation:**
5 to 10 VDC (15 V maximum)
- Combined Error:**
0.03% full scale
- Insulation Resistance:**
5,000 megohm
- Cable Length:**
20 ft
- Cable Diameter:**
0.190 in
Polyurethane jacket
- Cable Color Code:**
Red +Excitation
Black -Excitation
Green +Signal
White -Signal
- Warranty:**
Two-year limited
- Approvals:**
NTEP 03-007
FM



Picture is a representation of actual product.

Approvals



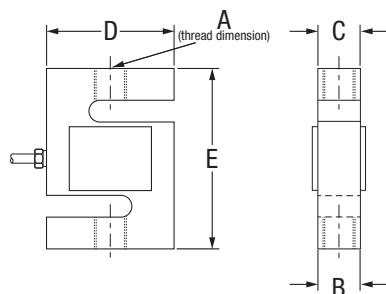
Order Information

Load Rating	Part #	Est. Weight	Price
250 lb	21402	2 lb	\$290.00
500 lb	21403	2 lb	\$290.00
750 lb	21404	2 lb	\$290.00
1,000 lb	21405	2 lb	\$290.00
1,500 lb	21406	2 lb	\$290.00
2,000 lb	21407	3 lb	\$290.00
2,500 lb	21408	4 lb	\$290.00
3,000 lb	21409	3 lb	\$335.00
5,000 lb	21410	4 lb	\$470.00
10,000 lb	21411	5 lb	\$470.00
15,000 lb	21412	7 lb	\$590.00
20,000 lb	21413	16 lb	\$925.00
Conduit Adapter Kit* (must be factory installed to maintain warranty)			
3/8-24 nipple	31533*	1 lb	\$40.00
3/8-24 to 1/4-18 NPT	31534*	1 lb	\$40.00

*PN 31533 and PN 31534 must be installed together to form the Conduit Adapter Kit

Dimensions

Rated Capacity	A	B	C	D	E
lb/in					
250	3/8-24 UNF	0.75	0.50	2.00	3.00
500 to 2,000	1/2-20 UNF	1.00	0.75	2.00	3.00
2,500 to 3,000	1/2-20 UNF	1.25	1.00	2.00	3.00
5,000	3/4-16 UNF	1.25	1.00	3.00	4.25
10,000	3/4-16 UNF	1.25	1.00	3.50	4.75
15,000	1-14 UNS	1.50	1.25	4.00	5.50
20,000	1 1/4-12 UNF	2.25	2.00	5.00	7.00



Interchangeable Products

VPG® CELTRON®
STC.....page 188
VPG® SENSORTRONICS®
60001.....page 275

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS
**ITCM Isolated
Tension Cell Mount**.....page 34

Specifications

Full Scale Output:
3.0 mV/V
Output Resistance:
350 (± 3) ohm
Input Resistance:
385 (± 5) ohm
Material/Finish:
High-alloy steel, nickel plated
Temperature:
Compensated:
14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 150 °F (-18 °C to 65 °C)
Seal Type:
Environmentally sealed, IP67
Safe Overload:
150% full scale
Rated Excitation:
5 to 10 VAC (15 V maximum)
Combined Error:
0.02% full scale
Insulation Resistance:
5,000 megohm
Cable Length:
20 ft
Cable Diameter:
0.200 in
Polyurethane jacket
Cable Color Code:
Red +Excitation
Black -Excitation
Green +Signal
White -Signal
Warranty:
Two-year limited
Approvals:
NTEP 91-046
cFMus

S-BEAM
RL20001HE

Stainless Steel, Welded Seal, NTEP Certified 1:5,000 Class III/1:10,000 Class IIIL Single Cell, IP68



Picture is a representation of actual product.

Approvals

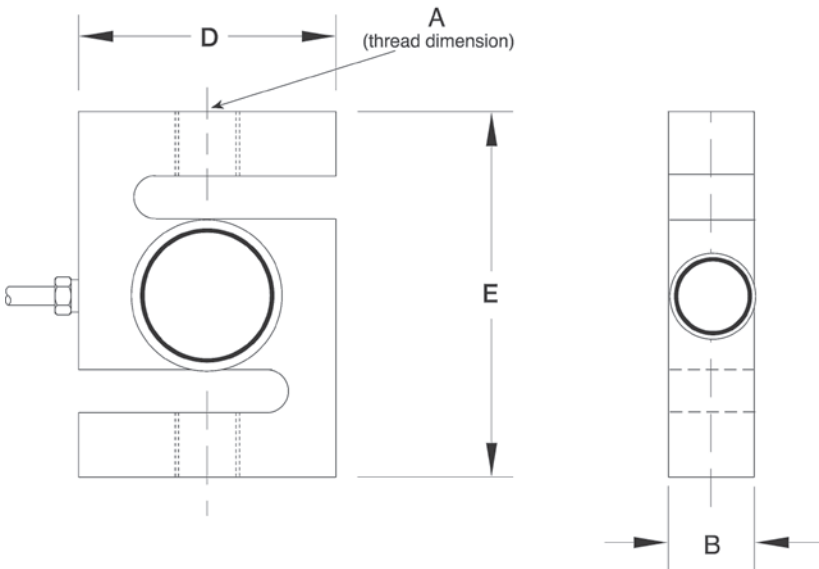


Order Information

Load Rating	Part #	Est. Weight	Price
NTEP Certified			
500 lb	46469	2 lb	\$900.00
750 lb	46470	2 lb	\$900.00
1,000 lb	46471	2 lb	\$900.00
1,500 lb	46472	2 lb	\$900.00
2,000 lb	46473	2 lb	\$900.00
2,500 lb	46474	2 lb	\$900.00
3,000 lb	46475	2 lb	\$900.00
5,000 lb	46476	5 lb	\$1,200.00
Non-NTEP Certified			
10,000 lb	36292	5 lb	\$1,205.00

Dimensions

Rated Capacity	A	B	D	E
lb/in				
500 to 3,000	1/2-20 UNF	1.00	2.00	3.00
5,000 to 10,000	3/4-16 UNF	1.00	3.50	4.75



Interchangeable Products

VPG® SENSORTRONICS®
60063page 277

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS
**ITCM HE Isolated
Tension Cell Mount**..... page 36

Specifications

- Full Scale Output:**
2.0 mV/V
- Bridge Resistance:**
350 ohm, nominal
- Material/Finish:**
Stainless steel
- Temperature:**
Compensated:
14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**
Welded-seal, IP68
- Safe Overload:**
150% full scale
- Rated Excitation:**
5 to 10 VDC (15 V maximum)
- Combined Error:**
0.02% full scale
- Insulation Resistance:**
5,000 megohm
- Cable Length:**
20 ft
- Cable Diameter:**
0.200 in
Polyurethane jacket
- Cable Color Code:**
Red +Excitation
Black -Excitation
Green +Signal
White -Signal
- Warranty:**
Two-year limited
- Approvals:**
NTEP 98-071
cFMus



Picture is a representation of actual product.

Approvals

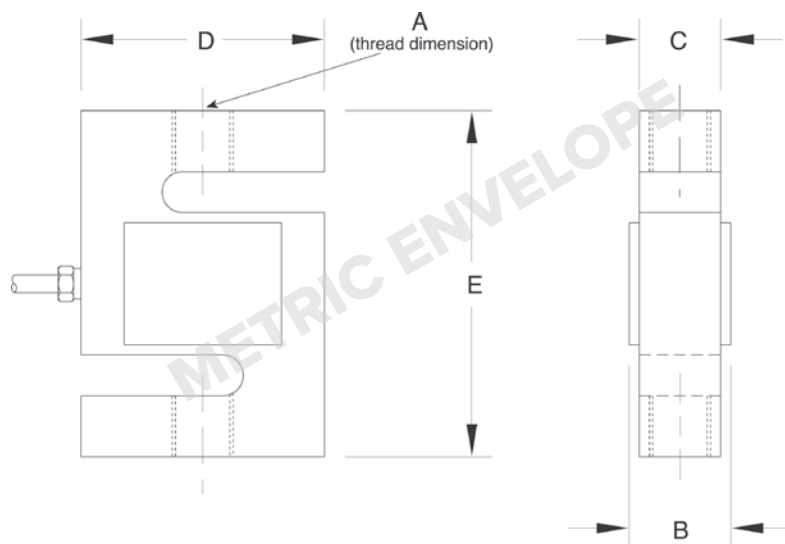


Order Information

Load Rating	Part #	Est. Weight	Price
250 kg	31254	2 lb	\$315.00
500 kg	31255	2 lb	\$315.00
1,000 kg	31256	2 lb	\$315.00
2,500 kg	31257	3 lb	\$485.00

Dimensions

Rated Capacity	A	B	C	D	E
kg/mm					
250 to 1,000	M12 × 1.75-6H	25.4	19.1	50.8	76.0
2,500	M20 × 1.5-6H	31.8	25.4	76.2	108.0



Specifications

Full Scale Output:

3.0 mV/V ± 0.25%

Bridge Resistance:

350 ohm, nominal

Material/Finish:

Alloy steel

Temperature:

Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VAC/DC (15V maximum)

Combined Error:

0.02% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

6 m

Cable Diameter:

5 mm
Polyurethane jacket

Cable Color Code:

Red +Excitation
Black -Excitation
Green +Signal
White -Signal

Warranty:

Two-year limited

Approvals:

OIML R60/1991-GB-95-09
cFMus



Picture is a representation of actual product.

Approvals

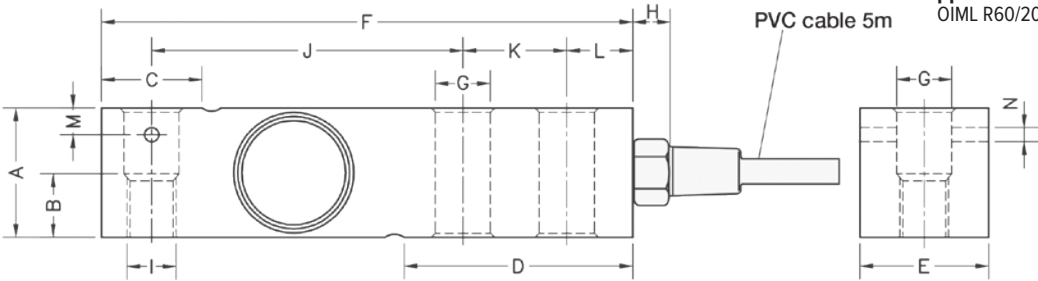


Order Information

Load Rating	Part #	Est. Weight	Price
300 kg	211630	0.9 kg	\$315.00
500 kg	211631	0.9 kg	\$315.00
750 kg	211632	0.9 kg	\$315.00
1,000 kg	211633	0.9 kg	\$315.00
1,500 kg	211634	0.9 kg	\$315.00
2,000 kg	211635	0.9 kg	\$315.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	I	J	K	L	M	N
kg/mm														
300 to 2,000	31.5	15.0	34.6	56.0	31.5	130.0	13.5	18.0	M12	76.2	25.4	15.8	6.5	3.5



Specifications

- Full Scale Output:
2.0 mV/V ± 0.05%
mV/V/ohm calibration
- Output Resistance:
350 (± 3) ohm
- Input Resistance:
400 (± 20) ohm
- Material/Finish:
Alloy steel, nickel plated
- Temperature:
Compensated:
-14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:
Environmentally sealed, IP67
- Safe Overload:
150% full scale
- Safe Sideload:
100% full scale
- Rated Excitation:
10 VDC (15 V maximum)
- Combined Error:
0.017% full scale
- Insulation Resistance:
> 5,000 megohm
- Deflection at Capacity:
0.2 to 0.4 mm
- Cable Length:
5 m
- Cable Color Code:
Green +Excitation
Black -Excitation
Red +Signal
White -Signal
- Warranty:
Two-year limited
- Approvals:
OIML R60/2017-A-NL1-22.11



Picture is a representation of actual product.

Approvals



Order Information

Load Rating	Part #	Est. Weight	Price
300 kg	211636	0.9 kg	\$350.00
500 kg	211637	0.9 kg	\$350.00
750 kg	211638	0.9 kg	\$350.00
1,000 kg	211639	0.9 kg	\$350.00
1,500 kg	211640	0.9 kg	\$350.00
2,000 kg	211641	0.9 kg	\$350.00
3,000 kg	211642	2.2 kg	\$445.00
5,000 kg	211643	2.2 kg	\$445.00

Dimensions

Rated Capacity kg/mm	A	B	C	D	E	F	G	H	I	J	K	L	M	N
300 to 2,000	31.5	15.0	34.6	56.0	31.5	130.0	13.5	18.0	M12	76.2	25.4	15.8	6.5	3.5
3,000 to 5,000	48.0	-	37.0	76.0	41.5	171.5	20.5	18.0	-	95.2	38.1	19.0	-	-

Specifications

Full Scale Output:

2.0 mV/V \pm 0.05%
mV/V/ohm calibration

Output Resistance:

350 (\pm 3) ohm

Input Resistance:

400 (\pm 20) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:
-14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Hermetically sealed, IP69K

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

10 VDC (15 V maximum)

Combined Error:

0.017% full scale

Insulation Resistance:

> 5,000 megohm

Deflection at Capacity:

0.2 to 0.4 mm

Cable Length:

5 m

Cable Color Code:

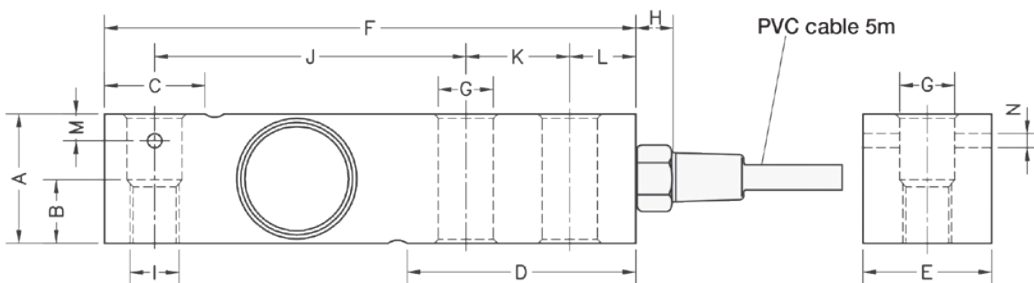
Green +Excitation
Black -Excitation
Red +Signal
White -Signal

Warranty:

Two-year limited

Approvals:

OIML R60/2017-A-NL1-22.11





Picture is a representation of actual product.

Approvals



Order Information

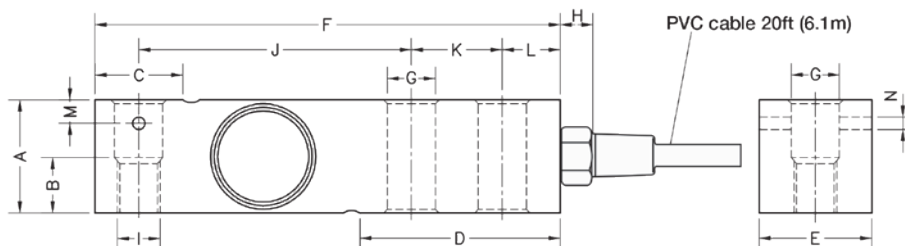
Load Rating	Part #	Est. Weight	Price
NTEP Certified			
500 lb	189151	2 lb	\$315.00
1,000 lb	189152	2 lb	\$315.00
1,500 lb	191732	2 lb	\$315.00
2,000 lb	189153	2 lb	\$315.00
2,500 lb	189154	2 lb	\$315.00
3,000 lb	189155	5 lb	\$315.00
4,000 lb	189156	5 lb	\$315.00
5,000 lb SE	189157	5 lb	\$315.00
5,000 lb LE	189158	5 lb	\$400.00
10,000 lb	189159	5 lb	\$400.00
Non-NTEP Certified			
250 lb	189150	2 lb	\$315.00
15,000 lb*	189160	10 lb	\$685.00
20,000 lb*	189161	10 lb	\$685.00
With Overbraided Cable			
2,500 lb	209166	10 lb	\$350.00
20,000 lb*	197558	10 lb	\$770.00

SE=small envelope; LE=large envelope

* Pending NTEP

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	I	J	K	L	M	N
lb/in														
250 to 500	1.00	0.59	0.96	2.20	1.24	5.12	0.53	0.70	1/2-20 UNF	3.00	1.00	0.62	0.25	0.13
1,000 to 5,000 SE	1.24	0.59	0.96	2.20	1.24	5.12	0.53	0.70	1/2-20 UNF	3.00	1.00	0.62	0.25	0.13
5,000 LE to 10,000	1.50	0.75	1.45	2.99	1.50	6.75	0.80	0.70	3/4-16 UNF	3.75	1.50	0.75	-	-
15,000 to 20,000	2.00	-	-	4.00	2.00	8.75	1.06	-	1-14 UNS	4.90	2.00	1.00	-	-



Interchangeable Products

VPG® SENSORTRONICS®

65023A.....page 281

VPG® CELTRON®

SQB.....page 191

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

RL50210TA.....page 37

RICE LAKE WEIGHING SYSTEMS

RL1800 Series..... page 48

Specifications

Full Scale Output:

3.0 mV/V \pm 0.05%
mV/V/ohm calibration

Output Resistance:

350 (\pm 3) ohm

Input Resistance:

400 (\pm 20) ohm

Material/Finish:

Alloy steel, nickel plated

Temperature:

Compensated:
-14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP66

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

10 VDC (15 V maximum)

Combined Error:

0.017% full scale

Insulation Resistance:

> 5,000 megohm

Deflection at Capacity:

0.2 to 0.4 mm

Cable Length:

20 ft

Cable Color Code:

Red +Excitation
Black -Excitation
Green +Signal
White -Signal

Warranty:

Two-year limited

Approvals:

NTEP 18-106
cFMus FM18US0307X

SINGLE-ENDED BEAM RL32018 MLC Coated

Alloy Steel, Environmentally Sealed, NTEP Certified 1:5,000 Class III Multiple Cell, IP66



Picture is a representation of actual product.

Approvals



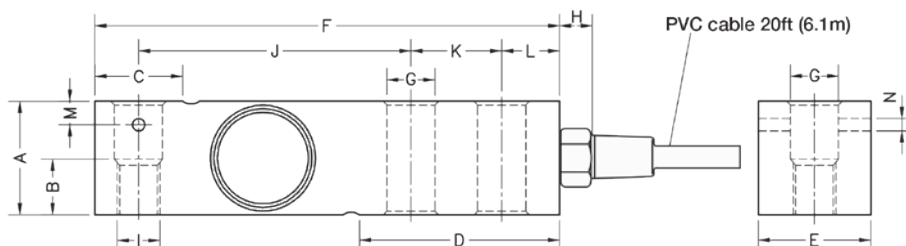
Order Information

Load Rating	Part #	Est. Weight	Price
NTEP Certified			
1,000 lb	207842	2 lb	\$345.00
1,500 lb	207843	2 lb	\$345.00
2,000 lb	207844	2 lb	\$345.00
2,500 lb	207845	2 lb	\$345.00
3,000 lb	207846	5 lb	\$345.00
4,000 lb	207847	5 lb	\$345.00
5,000 lb SE	207848	5 lb	\$345.00
5,000 lb LE	207850	5 lb	\$435.00
10,000 lb	207851	5 lb	\$435.00
Non-NTEP Certified			
15,000 lb	207852	10 lb	\$715.00
20,000 lb	207853	10 lb	\$715.00

SE=small envelope; LE=large envelope

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	I	J	K	L	M	N
lb/in														
1,000 to 5,000 SE	1.24	0.59	0.96	2.20	1.24	5.12	0.53	0.70	1/2-20 UNF	3.00	1.00	0.62	0.25	0.13
5,000 LE to 10,000	1.50	-	1.45	2.99	1.50	6.75	0.80	0.70	3/4-16 UNF	3.75	1.50	0.75	-	-
15,000 to 20,000	2.00	-	-	4.00	2.00	8.75	1.06	-	1-14 UNS	4.90	2.00	1.00	-	-



Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

RL50210TA.....page 37

RICE LAKE WEIGHING SYSTEMS

RL1800 Series.....page 50

Specifications

Full Scale Output:

3.0 mV/V \pm 0.05%
mV/V/ohm calibration

Output Resistance:

350 (\pm 3) ohm

Input Resistance:

400 (\pm 20) ohm

Material/Finish:

Alloy steel, nickel plated, coated

Temperature:

Compensated:
-14 °F to 104 °F (-10 °C to 40 °C)

Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP66

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

10 VDC (15 V maximum)

Combined Error:

0.017% full scale

Insulation Resistance:

> 5,000 megohm

Deflection at Capacity:

0.2 to 0.4 mm

Cable Length:

20 ft

Cable Color Code:

Red +Excitation
Black -Excitation
Green +Signal
White -Signal

Warranty:

Two-year limited

Approvals:

NTEP 18-106
cFMus

RICE LAKE
LOAD CELLS



Picture is a representation of actual product.

Approvals



Order Information

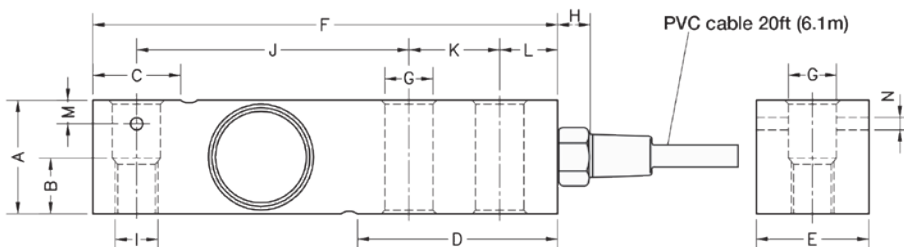
Load Rating	Part #	Est. Weight	Price
NTEP Certified			
500 lb*	189163	3 lb	\$345.00
1,000 lb	189164	3 lb	\$345.00
2,000 lb	189165	3 lb	\$345.00
2,500 lb	189166	3 lb	\$345.00
4,000 lb	189167	3 lb	\$345.00
5,000 lb SE	189168	3 lb	\$345.00
5,000 lb LE	189169	5 lb	\$440.00
10,000 lb	189170	5 lb	\$440.00
Non-NTEP Certified			
250 lb	189162	3 lb	\$345.00
15,000 lb	189171	10 lb	\$740.00
20,000 lb	189172	10 lb	\$740.00

SE=small envelope; LE=large envelope

*Pending NTEP

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	I	J	K	L	M	N
lb/in														
250 to 500	1.00	0.59	0.96	2.20	1.24	5.12	0.53	0.70	1/2-20 UNF	3.00	1.00	0.62	0.25	0.13
1,000 to 5,000 SE	1.24	0.59	0.96	2.20	1.24	5.12	0.53	0.70	1/2-20 UNF	3.00	1.00	0.62	0.25	0.13
5,000 LE to 10,000	1.50	-	1.45	2.99	1.50	6.75	0.80	0.70	3/4-16 UNF	3.75	1.50	0.75	-	-
15,000 to 20,000	2.00	-	-	4.00	2.00	8.75	1.06	-	1-14 UNS	4.90	2.00	1.00	-	-



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL35023S

VPG® SENSORTRONICS®

65023S page 283

VPG SENSORTRONICS

65023SS page 282

VPG® CELTRON®

SQB-HSS page 192

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

RL50210TA page 37

RICE LAKE WEIGHING SYSTEMS

RL1800 Series page 48

Specifications

Full Scale Output:

3.0 mV/V ± 0.05%
mV/V/ohm calibration

Output Resistance:

350 (± 3) ohm

Input Resistance:

400 (± 20) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:
14 °F to 104 °F (-10 °C to 40 °C)
Operating range
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP66

Safe Overload:

150% full scale

Rated Excitation:

10 VDC (15 V maximum)

Combined Error:

0.017% full scale

Insulation Resistance:

> 5,000 megohm

Deflection at Capacity:

0.2 to 0.4 mm

Cable Length:

20 ft

Cable Color Code:

Red +Excitation
Black -Excitation
Green +Signal
White -Signal

Warranty:

Two-year limited

Approvals:

NTEP 18-106
cFMus



Picture is a representation of actual product.

Approvals



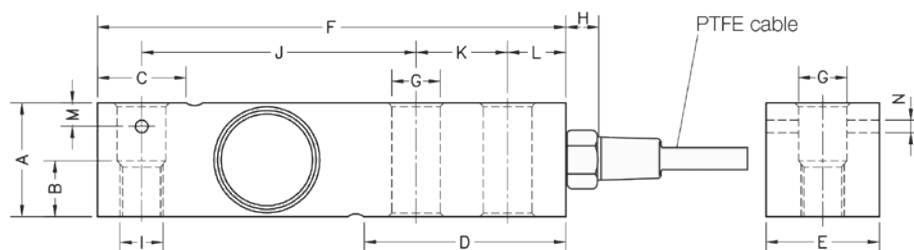
Order Information

Load Rating	Part #	Est. Weight	Price
1,000 lb	190654	3 lb	\$375.00
2,000 lb	190655	3 lb	\$375.00
2,500 lb	190656	3 lb	\$375.00
4,000 lb	190657	3 lb	\$375.00
5,000 lb SE	190658	3 lb	\$375.00
5,000 lb LE	190659	5 lb	\$415.00
10,000 lb	190660	5 lb	\$415.00

SE=small envelope; LE=large envelope

Dimensions

Rated Capacity lb/in	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1,000 to 5,000 SE	1.24	0.59	0.96	2.20	1.25	5.12	0.53	0.70	1/2-20 UNF	3.00	1.00	0.62	0.25	0.13
5,000 LE to 10,000	1.50	—	1.45	2.99	1.50	6.75	0.80	0.70	3/4-16 UNF	3.75	1.50	0.75	—	—



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL32018S-HE.....page 106

VP® SENSORTRONICS®

65083.....page 284

VP® CELTRON®

SQB-HSS.....page 192

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

RL1800 Series.....page 48

Specifications

Full Scale Output:

3.0 mV/V \pm 0.05%
mV/V/ohm calibration

Output Resistance:

350 (\pm 3) ohm

Input Resistance:

400 (\pm 20) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:
-14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Hermetically sealed, IP69K

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

10 VDC (15 V maximum)

Combined Error:

0.017% full scale

Insulation Resistance:

> 5,000 megohm

Deflection at Capacity:

0.2 to 0.4 mm

Cable Length:

20 ft PTFE cable

Cable Color Code:

Red +Excitation
Black -Excitation
Green +Signal
White -Signal

Warranty:

Two-year limited

Approvals:

cFMus

SINGLE-ENDED BEAM
RL32018S-HE

Stainless Steel, Hermetically Sealed, NTEP Certified 1:5,000 Class III Multiple Cell, IP69K



Picture is a representation of actual product.

Approvals



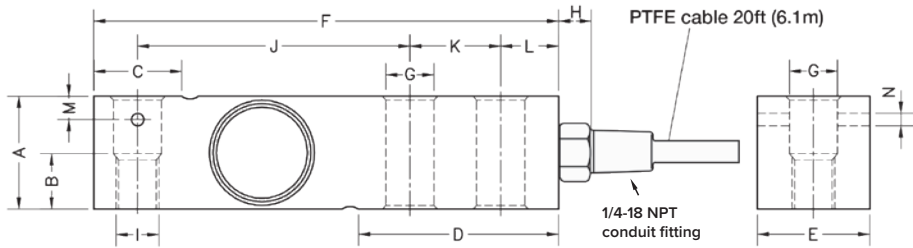
Order Information

Load Rating	Part #	Est. Weight	Price
500 lb	189175	3 lb	\$430.00
1,000 lb	189176	3 lb	\$430.00
2,000 lb	189178	3 lb	\$430.00
2,500 lb	189179	3 lb	\$430.00
4,000 lb	189181	3 lb	\$430.00
5,000 lb SE	208667	3 lb	\$430.00
5,000 lb LE	189182	5 lb	\$475.00
10,000 lb	189183	5 lb	\$475.00

SE=small envelope; LE=large envelope

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	I	J	K	L	M	N
lb/in														
500 to 5,000 SE	1.24	0.59	0.96	2.20	1.24	5.12	0.53	0.70	1/2-20 UNF	3.00	1.00	0.62	0.25	0.13
5,000 to 10,000	1.50	0.75	1.45	2.99	1.50	6.75	0.80	0.70	3/4-16 UNF	3.75	1.50	0.75	-	-



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS
RL32018S-P (non-NTEP) .page 105
VPG® SENSORTRONICS®
65083..... page 284
VPG® CELTRON®
SQB-HSS page 192

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS
RL1800 Series page 48

Specifications

Full Scale Output:
3.0 mV/V $\pm 0.05\%$
mV/V/ohm calibration

Output Resistance:
350 (± 3) ohm

Input Resistance:
400 (± 20) ohm

Material/Finish:
Stainless steel

Temperature:
Compensated:
14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 200 °F (-18 °C to 93 °C)

Seal Type:
Hermetically sealed, IP69K

Safe Overload:
150% full scale

Safe Sideload:
100% full scale

Rated Excitation:
5 to 10 VDC (15 V maximum)

Combined Error:
0.017% full scale

Insulation Resistance:
>5,000 megohm

Cable Length:
20 ft PTFE cable

Cable Color Code:
Red +Excitation
Black -Excitation
Green +Signal
White -Signal

Warranty:
Two-year limited

Approvals:
NTEP 18-106
cFMus



Picture is a representation of actual product.

Approvals



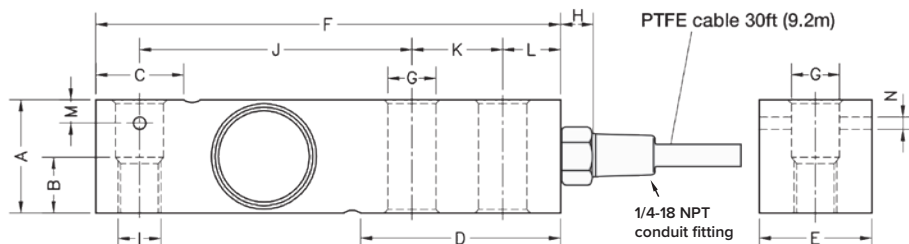
Order Information

Load Rating	Part #	Est. Weight	Price
1,000 lb	191629	4 lb	\$450.00
2,500 lb	191630	4 lb	\$450.00
4,000 lb	191631	4 lb	\$450.00
5,000 lb SE	208668	4 lb	\$450.00
5,000 lb LE	191632	6 lb	\$495.00
10,000 lb	191633	6 lb	\$495.00

SE=small envelope; LE=large envelope

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	I	J	K	L	M	N
lb/in														
1,000 to 5,000 SE	1.24	0.59	0.96	2.20	1.24	5.12	0.53	0.70	1/2-20 UNF	3.00	1.00	0.62	0.25	0.13
5,000 LE to 10,000	1.50	0.75	1.45	2.99	1.50	6.75	0.80	0.70	3/4-16 UNF	3.75	1.50	0.75	—	—



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL35082

VP® SENSORTRONICS®

65083S (20 ft cable) page 285

Specifications

Full Scale Output:

2.0 mV/V \pm 0.05%
mV/V/ohm calibration

Output Resistance:

350 (\pm 3) ohm

Input Resistance:

400 (\pm 20) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:
14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 200 °F (-18 °C to 93 °C)

Seal Type:

Hermetically sealed, IP69K

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.017% full scale

Insulation Resistance:

> 5,000 megohm

Deflection at Capacity:

0.2 to 0.4 mm

Cable Length:

30 ft PTFE cable

Cable Color Code:

Red +Excitation
Black -Excitation
Green +Signal
White -Signal

Warranty:

Two-year limited

Approvals:

NTEP 18-106
cFMus

RL32218S-HE

Stainless Steel, Hermetically Sealed, NTEP Certified 1:5,000 Class III Multiple Cell, IP69K



Picture is a representation of actual product.

Approvals



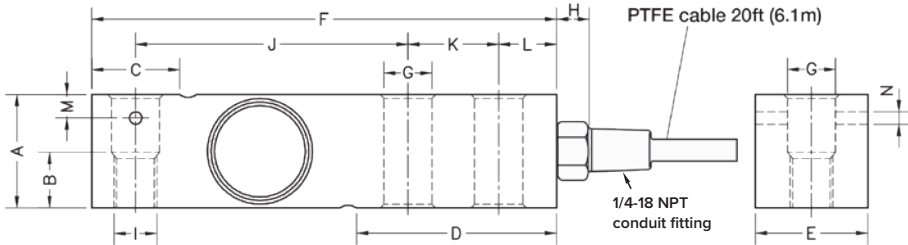
Order Information

Load Rating	Part #	Est. Weight	Price
RL32218S-HE PTFE Cable			
1,000 lb	191634	3 lb	\$430.00
2,500 lb	191635	3 lb	\$430.00
4,000 lb	191636	3 lb	\$430.00
5,000 lb SE	208669	3 lb	\$430.00
5,000 lb LE	191637	5 lb	\$475.00
10,000 lb	191638	5 lb	\$475.00
RL32218S-HE Rodent Protection Cable			
1,000 lb	223599	3 lb	\$440.00
2,500 lb	209620	3 lb	\$440.00
4,000 lb	223600	3 lb	\$440.00
5,000 lb LE	223601	5 lb	\$525.00
10,000 lb	222973	5 lb	\$525.00

SE=small envelope; LE=large envelope

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	I	J	K	L	M	N
lb/in														
1,000 to 5,000 SE	1.24	0.59	0.96	2.20	1.24	5.12	0.53	0.70	1/2-20 UNF	3.00	1.00	0.62	0.25	0.13
5,000 LE to 10,000	1.50	0.75	1.45	2.99	1.50	6.75	0.80	0.70	3/4-16 UNF	3.75	1.50	0.75	-	-



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL35082

RICE LAKE WEIGHING SYSTEMS

RL32019S-HE.....page 107

VPG® SENSORTRONICS®

65083S.....page 285

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

RL50210TA.....page 37

RICE LAKE WEIGHING SYSTEMS

RL1800 Series.....page 48

Specifications

Full Scale Output:

2.0 mV/V ± 0.05%
mV/V/ohm calibration

Output Resistance:

350 (± 3) ohm

Input Resistance:

400 (± 20) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:
14 °F to 104 °F (-10 °C to 40 °C)

Operating:
0 °F to 200 °F (-18 °C to 93 °C)

Seal Type:

Hermetically sealed, IP69K

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.017% full scale

Insulation Resistance:

> 5,000 megohm

Cable Length:

20 ft PTFE cable
30 ft RP

Cable Color Code:

Red +Excitation
Black -Excitation
Green +Signal
White -Signal

Warranty:

Two-year limited

Approvals:

NTEP 18-106
cFMus



Picture is a representation of actual product.

Approvals

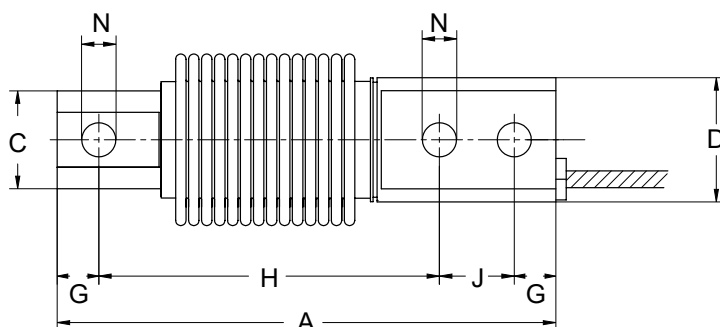
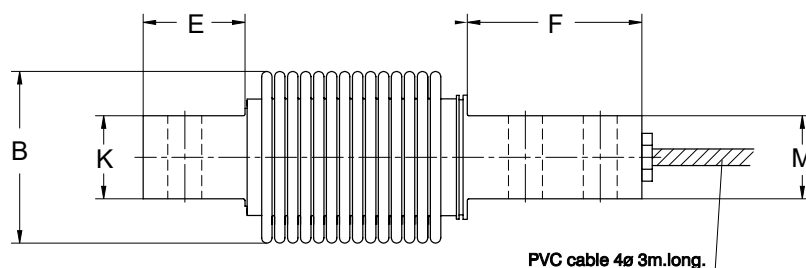


Order Information

Load Rating	Part #	Est. Weight	Price
NTEP Certified			
5 kg	188691	2 lb	\$525.00
10 kg	188692	2 lb	\$525.00
20 kg	188693	2 lb	\$525.00
30 kg	188694	2 lb	\$525.00
50 kg	188702	2 lb	\$525.00
75 kg	188695	2 lb	\$525.00
100 kg	188696	2 lb	\$525.00
200 kg	188697	2 lb	\$525.00
250 kg	188698	2 lb	\$525.00
300 kg	188699	2 lb	\$525.00
500 kg	188700	2 lb	\$525.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	J	K	M	N
kg/mm												
5 to 500	120.0	41.5	23.5	30.0	24.5	42.0	10.0	82.0	18.0	20.0	20.0	8.2



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS
RLHBB

Specifications

Full Scale Output:

2.0 mV/V \pm 10%

Output Resistance:

350 (\pm 3) ohm

Input Resistance:

400 (\pm 20) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Hermetically sealed, IP68/IP69K

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.017% full scale

Insulation Resistance:

> 5,000 megohm

Deflection at Capacity:

0.2 to 0.4 mm

Cable Length:

3 m

PVC cable

Cable Color Code:

Blue +Excitation

Black -Excitation

White +Signal

Red -Signal

Green +Sense

Yellow -Sense

Warranty:

Two-year limited

Approvals:

NTEP 18-107

OIML R60/2017-A-NL1-19.27

cFMus FM18US0307X



Picture is a representation of actual product.

Approvals



Order Information

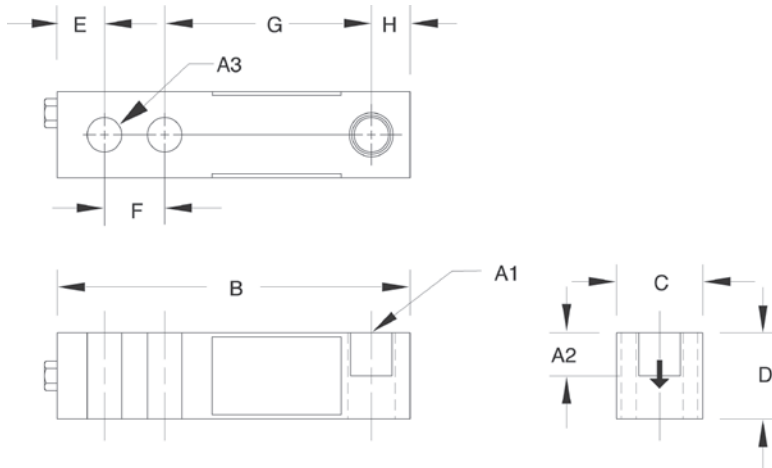
Load Rating	Part #	Est. Weight	Price
NTEP Certified			
1,000 lb	21491	3 lb	\$315.00
2,000 lb	21493	3 lb	\$315.00
2,500 lb	21495	3 lb	\$315.00
3,000 lb	21497	3 lb	\$315.00
4,000 lb	21498	3 lb	\$315.00
5,000 lb SE	21500	3 lb	\$315.00
5,000 lb LE	21501	5 lb	\$400.00
10,000 lb	21503	5 lb	\$400.00
Non-NTEP Certified			
250 lb	17341	3 lb	\$315.00
500 lb	17342	3 lb	\$315.00
20,000 lb	17109	10 lb	\$685.00
Conduit Adapter Kit (must be factory installed to maintain warranty)			
3/8-24 nipple	31533*	1 lb	\$40.00
3/8-24 to 1/4-18 NPT	31534*	1 lb	\$40.00

SE=small envelope; LE=large envelope

* PN 31533 and PN 31534 must be installed together to form the Conduit Adapter Kit

Dimensions

Rated Capacity	A1	A2	A3	B	C	D	E	F	G	H
lb/in										
250 to 5,000 SE	1/2-20 UNF	0.60	0.53	5.12	1.25	1.25	0.62	1.00	3.00	0.50
5,000 LE to 10,000	3/4-16 UNF	0.75	0.78	6.75	1.50	1.50	0.75	1.50	3.75	0.75
20,000	1-14 UNF	1.00	1.03	8.75	2.00	2.00	1.00	2.00	4.75	1.00



Interchangeable Products

VPG® REVERE

5123..... page 246

VPG® TEDEA-HUNTLEIGH®

3411..... page 306

ARTECH®

30310

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

RL50210TA..... page 37

RICE LAKE WEIGHING SYSTEMS

RL1800 Series..... page 48

Specifications

Full Scale Output:

3.0 mV/V

Bridge Resistance:

350 ohm, nominal

Material/Finish:

High-alloy steel, nickel plated

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 VAC (15 V maximum)

Combined Error:

0.02% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:

250 to 1,000 lb: 0.013 in

2,000 to 3,000 lb: 0.015 in

4,000 to 5,000 lb: 0.025 in

10,000 lb: 0.032 in

20,000 lb: 0.038 in

Cable Length:

20 ft

Cable Diameter:

0.200 in

Polyurethane jacket

Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

Warranty:

Two-year limited

Approvals:

NTEP 98-043

cFMus

SINGLE-ENDED BEAM RL30002 Thru Hole

Alloy Steel, Environmentally Sealed, NTEP Certified 1:5,000 IIIIL Class III Multiple Cell, IP67



Picture is a representation of actual product.

Approvals



Order Information

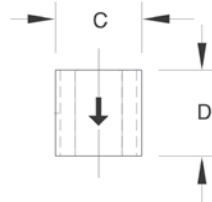
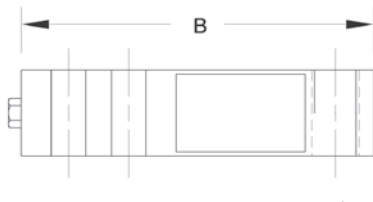
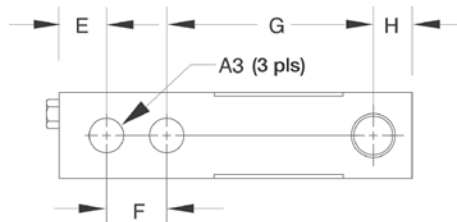
Load Rating	Part #	Est. Weight	Price
NTEP Certified			
1,000 lb	21521	3 lb	\$315.00
2,000 lb	21522	3 lb	\$315.00
2,500 lb	21523	3 lb	\$315.00
4,000 lb	21524	3 lb	\$315.00
5,000 lb SE	21525	3 lb	\$315.00
Conduit Adapter Kit (must be factory installed to maintain warranty)			
3/8-24 nipple	31533*	1 lb	\$40.00
3/8-24 to 1/4-18 NPT	31534*	1 lb	\$40.00

SE=small envelope

* PN 31533 and PN 31534 must be installed together to form the Conduit Adapter Kit

Dimensions

Rated Capacity	A3	B	C	D	E	F	G	H
lb/in								
1,000 to 5,000 SE	0.53	5.12	1.25	1.25	0.62	1.00	3.00	0.50



Interchangeable Products

VPG® TEDEA-HUNTLEIGH®

3410

ARTECH®

30210

Specifications

Full Scale Output:

3.0 mV/V

Bridge Resistance:

350 ohm, nominal

Material/Finish:

High-alloy steel, nickel plated

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.02% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:

1,000 lb: 0.013 in

2,000 to 2,500 lb: 0.015 in

4,000 to 5,000 lb: 0.025 in

Cable Length:

20 ft

Cable Diameter:

0.200 in

Polyurethane jacket

Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

Warranty:

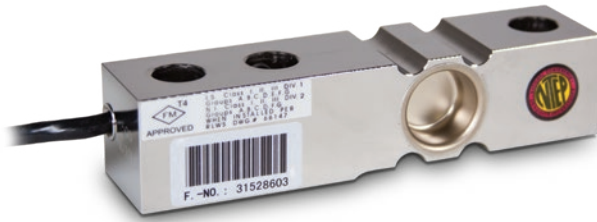
Two-year limited

Approvals:

NTEP 98-043

cFMus

RICE LAKE
LOAD CELLS



Picture is a representation of actual product.

Approvals

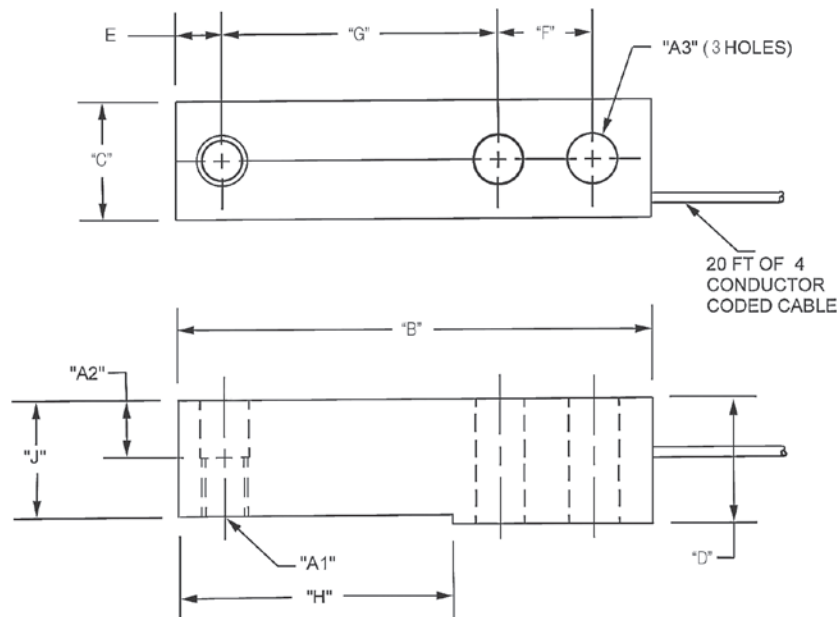


Order Information

Load Rating	Part #	Est. Weight	Price
500 lb	106038	4 lb	\$475.00

Dimensions

Rated Capacity	A1	A2	A3	C	D	B	E	F	G	H	J
lb/in											
500	1/2-20 UNF	0.62	0.53	1.21	1.19	5.12	0.50	1.00	3.00	2.85	1.120



Interchangeable Products

HBK®	
H35	..... page 224
METTLER TOLEDO®	
500 lb-8 ft cable	
TB601019-008	
1,000 lb-20 ft cable	
TB601016-020	
2,500 lb-8 ft cable	
TB601016-008	

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

350 ohm, nominal

Input Resistance:

385 ohm, nominal

Material/Finish:

Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Welded-seal, IP67

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.02% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:

0.02 in

Cable Length:

20 ft

Cable Diameter:

0.190 in

Polyurethane jacket

Cable Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

Yellow Shield

Warranty:

Two-year limited

Approvals:

NTEP 06-023

FM

Interchangeable Products

VPG® REVERE

9123.....page 247

ARTECH®

SS30310**Weigh Module Available**

RICE LAKE WEIGHING SYSTEMS

RL50210TA.....page 37

RICE LAKE WEIGHING SYSTEMS

RL1800 Series..... page 48**Specifications****Full Scale Output:**

3.0 mV/V

Output Resistance:

349 to 355 ohm

Input Resistance:

343 to 357 ohm

Material/Finish:

Stainless steel

Temperature:Operating:
0 °F to 150 °F (-18 °C to 65 °C)**Seal Type:**

Environmentally sealed, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Nonlinearity:

0.03% full scale

Hysteresis:

0.02% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:250 to 1,000 lb: 0.013 in
2,000 to 3,000 lb: 0.015 in
4,000 to 5,000 lb: 0.025 in
10,000 lb: 0.32 in**Cable Length:**

20 ft

30 ft

Cable Diameter:

0.200 in

Polyurethane jacket

Cable Color Code:Red +Excitation
Black -Excitation
Green +Signal
White -Signal**Warranty:**

Two-year limited

Approvals:

cFMus



Picture is a representation of actual product.

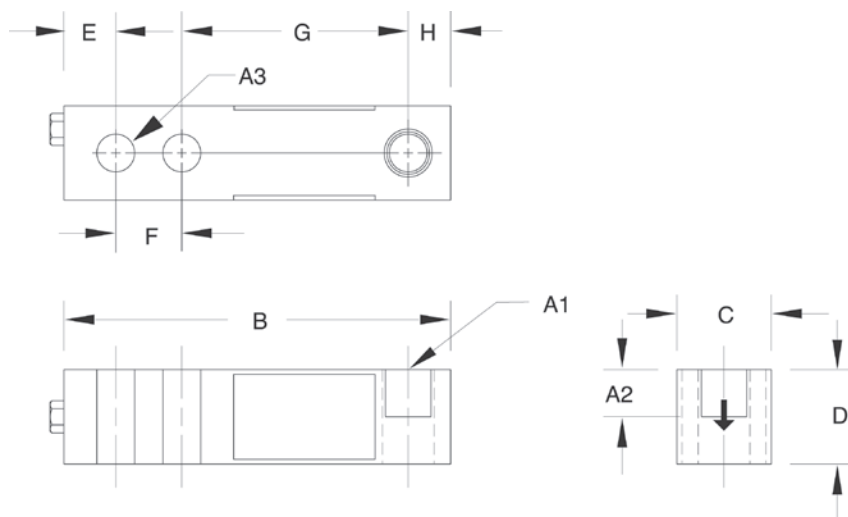
Approvals**Order Information**

Load Rating	Part #	Est. Weight	Price
20 ft Cables			
250 lb	17386	3 lb	\$344.00
500 lb	17387	3 lb	\$344.00
1,000 lb	17189	3 lb	\$344.00
2,500 lb	17191	3 lb	\$344.00
4,000 lb	17193	3 lb	\$344.00
5,000 lb	17194	5 lb	\$439.00
10,000 lb	17195	5 lb	\$439.00
30 ft Cables			
4,000 lb	95562	3 lb	\$365.00
Conduit Adapter Kit (must be factory installed to maintain warranty)			
3/8-24 nipple	31533*	1 lb	\$40.00
3/8-24 to 1/4-18 NPT	31534*	1 lb	\$40.00

* PN 31533 and PN 31534 must be installed together to form the Conduit Adapter Kit

Dimensions

Rated Capacity	A1	A2	A3	B	C	D	E	F	G	H
lb/in										
250 to 4,000	1/2-20 UNF	0.60	0.53	5.12	1.25	1.25	0.62	1.00	3.00	0.50
5,000 to 10,000	3/4-16 UNF	0.75	0.78	6.75	1.50	1.50	0.75	1.50	3.75	0.75



SINGLE-ENDED BEAM RL32018S-T

Stainless Steel, Hermetically Sealed, NTEP Certified, 1:5,000 Class III Multiple Cell, IP69K



Picture is a representation of actual product.

Approvals

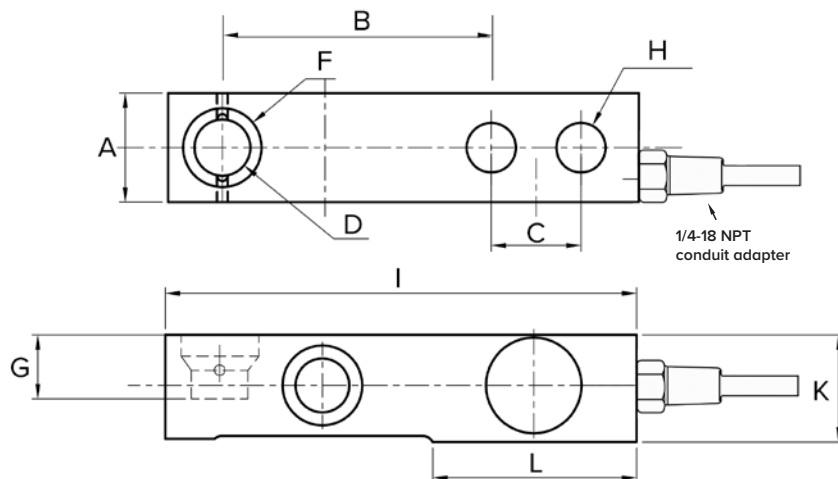


Order Information

Load Rating	Part #	Est. Weight	Price
15 ft Cable			
500 lb	189189	3 lb	\$475.00
1,250 lb	189190	3 lb	\$475.00
2,500 lb	189191	3 lb	\$475.00
5,000 lb	189192	5 lb	\$630.00
10,000 lb	189193	5 lb	\$760.00
30 ft Cable			
500 lb	191974	3 lb	\$505.00
1,250 lb	191975	3 lb	\$505.00
2,500 lb	191976	3 lb	\$505.00
5,000 lb	191977	5 lb	\$665.00
10,000 lb	191978	5 lb	\$790.00
Replacement load pins			
Rocker pin 500 to 2.5 K	108612	1 lb	\$85.00
Rocker pin 5 K	130408	1 lb	\$90.00
Rocker pin 10 K	131376	1 lb	\$130.00
O-ring (two per pin)	108202	1 lb	\$1.00

Dimensions

Rated Capacity	A	B	C	D	F	G	H	I	K	L
lb/in										
500 to 1,250	1.21	3.00	1.00	0.62	0.88	0.68	0.51	5.25	1.19	2.27
2,500	1.21	3.00	1.00	0.62	0.88	0.68	0.51	5.25	1.19	2.27
5,000	1.44	3.00	1.00	0.62	0.88	0.90	0.51	5.38	1.44	2.28
10,000	1.69	3.75	1.50	0.88	1.38	1.15	0.76	6.75	1.69	2.91



Interchangeable Products

METTLER TOLEDO®
TB600529-500 lb
 METTLER TOLEDO
TB600363-1,250 lb
 METTLER TOLEDO
TB600342-2,500 lb
 METTLER TOLEDO
TB600343-5,000 lb
 METTLER TOLEDO
TB600364-10,000 lb
 HBK®
THC

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS
RLTM..... page 52

Specifications

Full Scale Output:
 2.0 mV/V \pm 0.05%
 mV/V/ohm calibration

Output Resistance:
 350 (\pm 3) ohm

Input Resistance:
 400 (\pm 20) ohm

Material/Finish:
 Stainless steel

Temperature:
 Compensated:
 14 °F to 104 °F (-10 °C to 40 °C)
 Operating:
 0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:
 Hermetically sealed, IP69K

Safe Overload:
 150% full scale

Rated Excitation:
 5 to 10 VDC

Combined Error:
 0.017% full scale

Insulation Resistance:
 5,000 megohm

Cable Length:
 15 ft
 30 ft

Cable Color Code:
 Green +Excitation
 Black -Excitation
 White +Signal
 Red -Signal
 Shield is attached to element

Warranty:
 Two-year limited

Approvals:
 NTEP 18-106
 cFMus



Picture is a representation of actual product.

Approvals

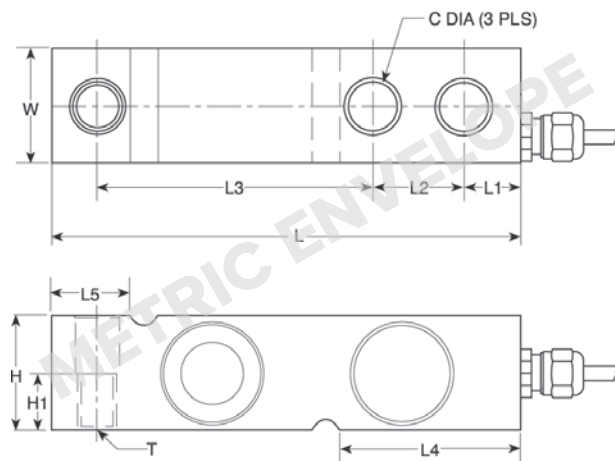


Order Information

Load Rating	Part #	Est. Weight	Price
500 kg	31253	3 lb	\$514.00
1,000 kg	31250	3 lb	\$514.00
2,000 kg	31251	3 lb	\$514.00
5,000 kg	31252	5 lb	\$588.00

Dimensions

Rated Capacity	C	H	H1	L	L1	L2	L3	L4	L5	T	W
kg/mm											
500 to 2,000	13.5	32.0	16.0	130.0	15.8	25.4	76.2	50.5	23.5	M12 x 1.75	32.0
5,000	20.5	48.0	—	171.5	19.0	38.1	95.3	70.0	37.0	—	36.5



Interchangeable Products

VPG® TEDEA-HUNTLEIGH®

3510-OIML page 308

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

1700 HE page 29

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

350 (± 3) ohm

Input Resistance:

380 (± 10) ohm

Material/Finish:

Stainless steel

Temperature:

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Hermetically sealed, IP66/68

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.02% applied load

Insulation Resistance:

2,000 megohm

Deflection at Capacity:

0.4 mm

Cable Length:

5 m

Cable Diameter:

5 mm

Polyurethane jacket

Cable Color Code:

Blue +Excitation

Black -Excitation

White +Signal

Red -Signal

Green +Sense

Grey -Sense

Warranty:

Two-year limited

Approvals:

OIML

cFMus

RLSSB

Stainless Steel, Welded Seal, NTEP Certified 1:5,000 Class III Multiple Cell, IP67



Picture is a representation of actual product.

Approvals

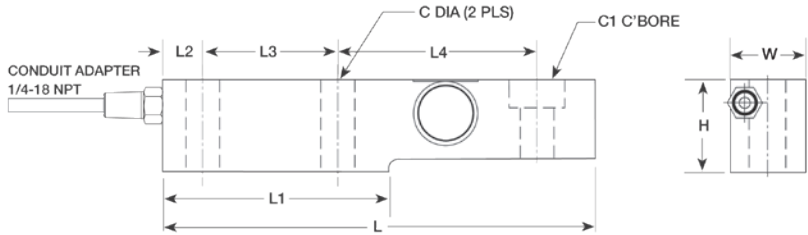


Order Information

Load Rating	Part #	Est. Weight	Price
1,000 lb	34310	5 lb	\$635.00
2,000 lb	34311	5 lb	\$635.00
5,000 lb	34312	6 lb	\$635.00
10,000 lb	34313	10 lb	\$760.00
Options			
Load cell button (1 K to 5 K)	26112	—	\$37.00

Dimensions

Rated Capacity	C	C1	H	L	L1	L2	L3	L4	W
lb/in									
1,000 to 5,000	0.53	0.68 thru C'Bore 1.19 x 0.47 DP	1.88	8.00	4.00	0.75	2.50	3.88	1.44
10,000	0.88	1.00 thru C'Bore 1.63 x 0.62 DP	2.75	9.25	4.62	0.81	2.63	4.88	1.88



Interchangeable Products

ARTECH®
SS30610

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS
RL1900 Series page 51

Specifications

- Full Scale Output:**
2.0 mV/V
- Bridge Resistance:**
350 ohm, nominal
- Material/Finish:**
Stainless steel
- Temperature:**
Compensated:
14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**
Welded-seal, IP67
- Safe Overload:**
150% full scale
- Safe Sideload:**
100% full scale
- Rated Excitation:**
5 to 10 VDC (15 V maximum)
- Combined Error:**
0.02% full scale
- Non-repeatability:**
0.01% full scale
- Insulation Resistance:**
5,000 megohm
- Cable Length:**
15 ft
- Cable Diameter:**
0.200 in
Polyurethane jacket
- Cable Color Code:**
Green +Excitation
Black -Excitation
White +Signal
Red -Signal
- Warranty:**
Two-year limited
- Approvals:**
NTEP 96-053
cFMus

SINGLE-ENDED BEAM RLSB250/RLSB250T

Stainless Steel, Welded Seal, NTEP Certified 1:5,000 Class III Multiple Cell, IP67



Picture is a representation of actual product.

Approvals

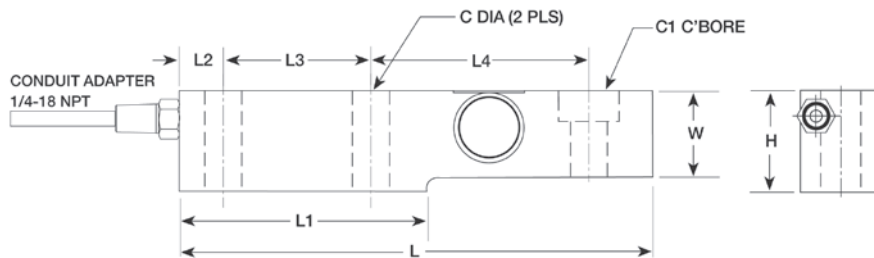


Order Information

Load Rating	Part #	Est. Weight	Price
Threaded			
2,500 lb	116053	6 lb	\$635.00
5,000 lb	116054	6 lb	\$745.00
Thru Hole			
2,500 lb	34482	6 lb	\$635.00
10,000 lb	116055	10 lb	\$745.00
Options			
Load cell button	116084	—	\$11.00

Dimensions

Rated Capacity	C	C1	H	L	L1	L2	L3	L4	T	W
lb/in										
2,500	0.53	1.20 x 0.75 DP	1.93	8.00	4.00	0.75	2.50	3.88	3/4-16 UNF	1.25
5,000	0.53	1.20 x 0.75 DP	1.93	8.00	4.00	0.75	2.50	3.88	3/4-16 UNF	1.45
10,000	—	1.20 x 0.75 DP	2.46	9.00	4.00	0.75	2.00	5.25	—	1.62



Interchangeable Products

CARDINAL®
SB2500*
*No threads in load hole

Specifications

Full Scale Output:
2.0 mV/V

Bridge Resistance:
350 ohm, nominal

Material/Finish:
Stainless steel

Temperature:
Compensated:
14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:
Welded-seal, IP67

Safe Overload:
150% full scale

Safe Sideload:
100% full scale

Rated Excitation:
5 to 10 VDC (15 V maximum)

Combined Error:
0.02% full scale

Non-repeatability:
0.01% full scale

Insulation Resistance:
5,000 megohm

Cable Length:
20 ft
PN 34482: 15 ft

Cable Diameter:
0.200 in
Polyurethane jacket

Cable Color Code:
Green +Excitation
Black -Excitation
White +Signal
Red -Signal

Warranty:
Two-year limited

Approvals:
NTEP 96-053
cFMus

RICE LAKE
LOAD CELLS

SINGLE-ENDED BEAM
RL50219SS

Stainless Steel, Environmentally Sealed, IP65



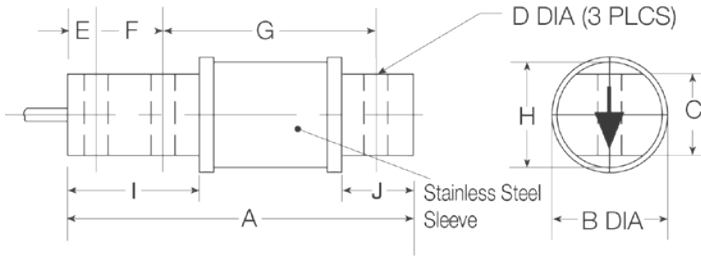
Picture is a representation of actual product.

Order Information

Load Rating	Part #	Est. Weight	Price
25 lb	194014	2 lb	\$450.00
50 lb	194015	2 lb	\$450.00
75 lb	194016	2 lb	\$450.00
100 lb	194017	2 lb	\$450.00
150 lb	194018	2 lb	\$450.00
250 lb	194019	2 lb	\$450.00
500 lb	194020	2 lb	\$450.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	I	J
lb/in										
25 to 500	2.81	1.30	0.62	0.26	0.25	0.50	1.81	1.00	1.00	0.50



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS
RL60040SST

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS
RL50219SS-TA..... page 41

Specifications

- Full Scale Output:**
3.0 mV/V
- Output Resistance:**
350 (± 3) ohm
- Input Resistance:**
380 to 450 ohm
- Material/Finish:**
Stainless steel
- Temperature:**
Operating:
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**
Environmentally sealed, IP65
- Safe Overload:**
150% full scale
- Rated Excitation:**
5 to 10 VDC
- Nonlinearity:**
0.03% full scale
- Hysteresis:**
0.02% full scale
- Combined Error:**
0.017% full scale
- Insulation Resistance:**
5,000 megohm
- Cable Length:**
20 ft
- Cable Color Code:**
Red +Excitation
Black -Excitation
Green +Signal
White -Signal
- Warranty:**
Two-year limited

NEW

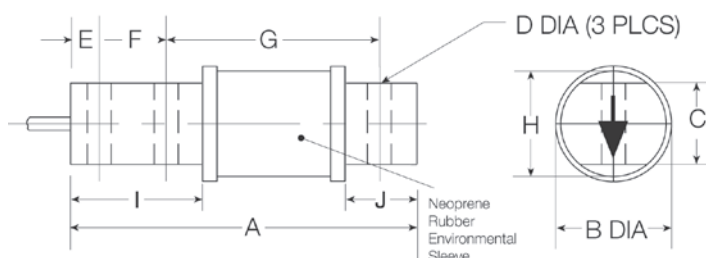
Picture is a representation of actual product.

Approvals**Order Information**

Load Rating	Part #	Est. Weight	Price
25 lb	226878	2 lb	\$260.00
50 lb	226879	2 lb	\$260.00
100 lb	226880	2 lb	\$260.00
150 lb	226881	2 lb	\$260.00
250 lb	226882	2 lb	\$260.00
500 lb	226883	2 lb	\$260.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	I	J
lb/in										
25 to 500	2.81	1.30	0.62	0.26	0.25	0.50	1.81	1.00	1.00	0.50

**Interchangeable Products**

RICE LAKE WEIGHING SYSTEMS

RL50210.....page 120

RICE LAKE WEIGHING SYSTEMS

RL50219SS.....page 118

VPG® SENSORTRONICS®

60040.....page 286

ARTECH®

50210

VPG® REVERE

5503**Weigh Module Available**

RICE LAKE WEIGHING SYSTEMS

RL50210TA.....page 37**Specifications****Full Scale Output:**

3.0 mV/V

Output Resistance:

350 ohm

Input Resistance:

360 to 450 ohm

Material/Finish:

Alloy steel, nickel plated

Temperature:Operating:
0 °F to 150 °F (-18 °C to 65 °C)**Seal Type:**

Environmentally sealed, IP65

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Nonlinearity:

0.03% full scale

Hysteresis:

0.02% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:25 to 50 lb: 0.008 in
100 lb: 0.010 in
150 lb: 0.012 in
250 lb: 0.016 in
500 lb: 0.025 in**Cable Length:**

20 ft

Cable Diameter:0.200 in
Polyurethane jacket**Cable Color Code:**Red +Excitation
Black -Excitation
Green +Signal
White -Signal**Warranty:**

Two-year limited

Approvals:

cFMus

RL50210

Alloy Steel, Environmentally Sealed, IP65



Picture is a representation of actual product.

Approvals

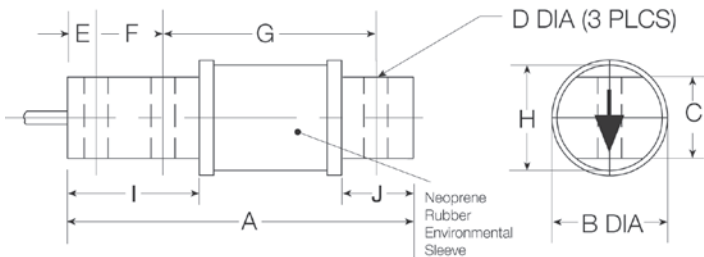


Order Information

Load Rating	Part #	Est. Weight	Price
25 lb	17385	2 lb	\$260.00
50 lb	17380	2 lb	\$260.00
100 lb	17381	2 lb	\$260.00
150 lb	17382	2 lb	\$260.00
250 lb	17383	2 lb	\$260.00
500 lb	17384	2 lb	\$260.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	I	J
lb/in										
25 to 500	2.81	1.30	0.62	0.26	0.25	0.50	1.81	1.00	1.00	0.50



RICE LAKE
LOAD CELLS

Interchangeable Products

RICE LAKE WEIGHING SYSTEMS
RL50219SS.....page 118
VPG® SENSORTRONICS®
60040 page 286
ARTECH®
50210
VPG® REVERE
5503

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS
RL50210TA.....page 37

Specifications

Full Scale Output:	3.0 mV/V
Output Resistance:	349 to 355 ohm
Input Resistance:	360 to 450 ohm
Material/Finish:	High-alloy steel, nickel plated
Temperature:	Operating: 0 °F to 150 °F (-18 °C to 65 °C)
Seal Type:	Environmentally sealed with neoprene sleeve, IP65
Safe Overload:	150% full scale
Rated Excitation:	5 to 10 VDC (15 V maximum)
Nonlinearity:	0.03% full scale
Hysteresis:	0.02% full scale
Insulation Resistance:	5,000 megohm
Deflection at Capacity:	25 to 50 lb: 0.008 in 100 lb: 0.010 in 150 lb: 0.012 in 250 lb: 0.016 in 500 lb: 0.025 in
Cable Length:	20 ft
Cable Diameter:	0.200 in Polyurethane jacket
Cable Color Code:	Red +Excitation Black -Excitation Green +Signal White -Signal
Warranty:	Two-year limited
Approvals:	cFMus



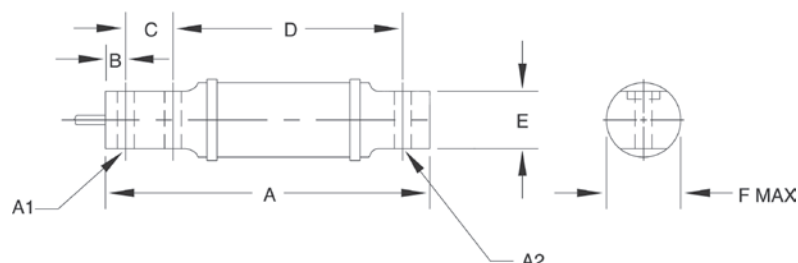
Picture is a representation of actual product.

Order Information

Load Rating	Part #	Est. Weight	Price
50 lb	17395	3 lb	\$595.00
100 lb	17343	3 lb	\$595.00
200 lb	17396	3 lb	\$595.00
250 lb	17397	3 lb	\$595.00
500 lb	17398	3 lb	\$595.00
1,000 lb	17344	3 lb	\$595.00
2,500 lb	17345	9 lb	\$895.00

Dimensions

Rated Capacity	A	A1	A2	B	C	D	E	F	G	H
lb/in										
50 to 100	6.00	0.31	0.31	0.38	0.88	4.25	1.06	1.41	—	—
200 to 1,000	6.62	0.52	0.52	0.50	1.12	4.25	1.06	1.41	—	—
2,500	11.38	0.53	0.62	0.50	1.75	8.25	1.25	2.19	1.19	0.12



Interchangeable Products

HBK®

BBS..... page 225

VPG® SENSORTRONICS®

65087

FAIRBANKS®

3-481XX-1

FAIRBANKS

3-48660-1

ARTECH®

40310

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

750 (± 10) ohm

Input Resistance:

800 (±50) ohm

Material/Finish:

High-alloy steel, nickel plated

Temperature:

Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed with neoprene sleeve, IP65

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Nonlinearity:

0.03% full scale

Hysteresis:

0.02% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:

50 lb: 0.015 in
100 lb: 0.005 in
200 to 250 lb: 0.030 in
500 lb: 0.025 in
1,000 lb: 0.040 in
2,500 lb: 0.120 in

Cable Length:

10 ft

Cable Diameter:

0.200 in
Polyurethane jacket

Cable Color Code:

Green +Excitation
Black -Excitation
White +Signal
Red -Signal

Warranty:

Two-year limited

SINGLE-ENDED BEAM
RL32011WB-L

Stainless Steel, Environmentally Sealed, NTEP Certified 1:5,000 Class III Multiple Cell, Potted, IP67



Picture is a representation of actual product.

Approvals

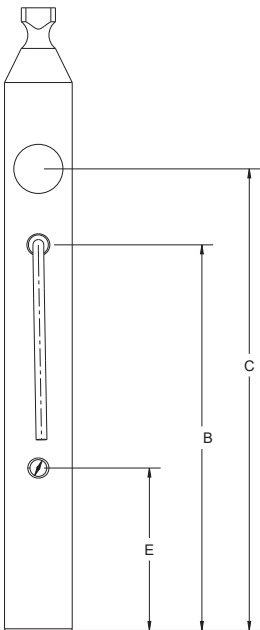
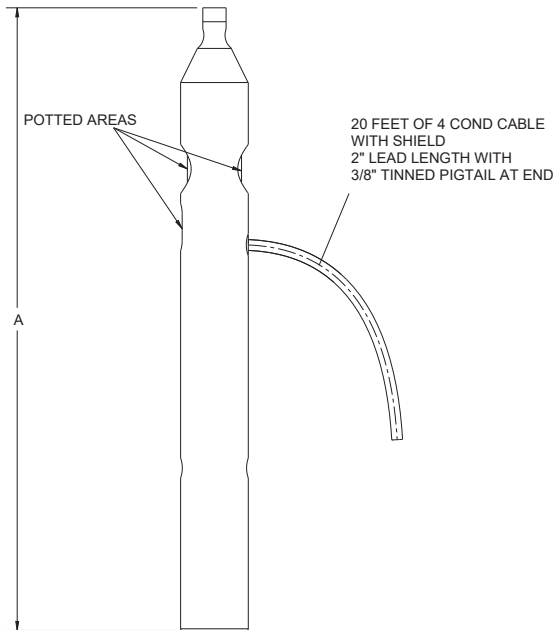
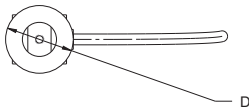


Order Information

Load Rating	Part #	Est. Weight	Price
1,250 lb	119788	5 lb	\$730.00
5,000 lb	119790	9 lb	\$850.00
10,000 lb	119791	17 lb	\$950.00

Dimensions

Rated Capacity lb/in	A	B	C	D	E
1,250	11.50	7.12	8.52	1.25	3.0
5,000	10.9	5.5	7.4	2.0	3.0
10,000	12.6	5.9	8.0	2.5	3.0



Interchangeable Products

AVERY WEIGH TRONIX®
Weigh Bar

Specifications

- Full Scale Output:**
2.0 (± 0.1%) mV/V
- Output Resistance:**
350 (± 3) ohm
- Input Resistance:**
385 (± 10) ohm
- Material/Finish:**
Stainless steel
- Temperature:**
Compensated:
14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**
Environmentally sealed, IP67
- Safe Overload:**
150% full scale
- Safe Sideload:**
100% full scale
- Rated Excitation:**
5 to 10 VDC
- Combined Error:**
0.02% full scale
- Non-repeatability:**
± 0.01% full scale
- Insulation Resistance:**
5,000 megohm
- Cable Length:**
20 ft
- Cable Diameter:**
0.190 in
Polyurethane jacket
- Cable Color Code:**
Green +Excitation
Black -Excitation
White +Signal
Red -Signal
- Warranty:**
Two-year limited
- Approvals:**
NTEP 11-024



Picture is a representation of actual product.

Approvals

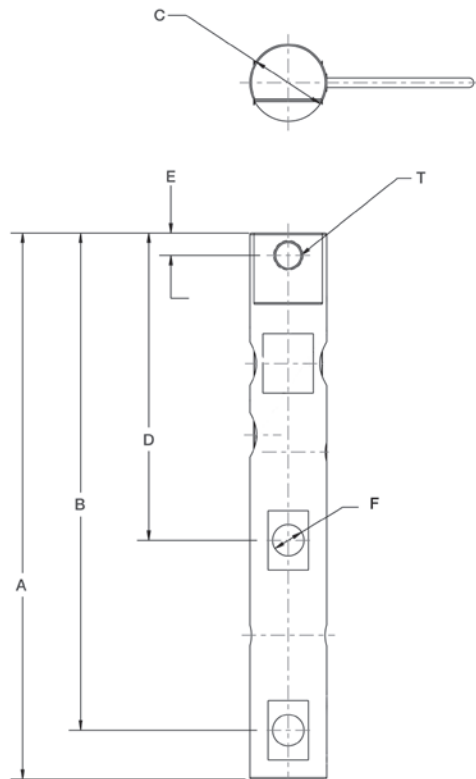


Order Information

Load Rating	Part #	Est. Weight	Price
1,250 lb	119796	3 lb	\$525.00
2,500 lb	119797	3 lb	\$525.00

Dimensions

Rated Capacity lb/in	A	B	C	D	E	F	T
1,250	11.50	10.47	1.25	6.47	0.47	0.53	1/2-13 UNC
2,500	11.50	10.47	1.62	6.47	0.47	0.66	5/8-11 UNC



Interchangeable Products

AVERY WEIGH TRONIX®
Weigh Bar

Specifications

Full Scale Output:

2.0 (± 0.1%) mV/V

Output Resistance:

350 (± 3) ohm

Input Resistance:

385 (± 10) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:
14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 VDC

Combined Error:

0.02% full scale

Non-repeatability:

± 0.01% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

20 ft

Cable Diameter:

0.190 in

Polyurethane jacket

Cable Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

Warranty:

Two-year limited

Approvals:

NTEP 11-024



Picture is a representation of actual product.

Approvals

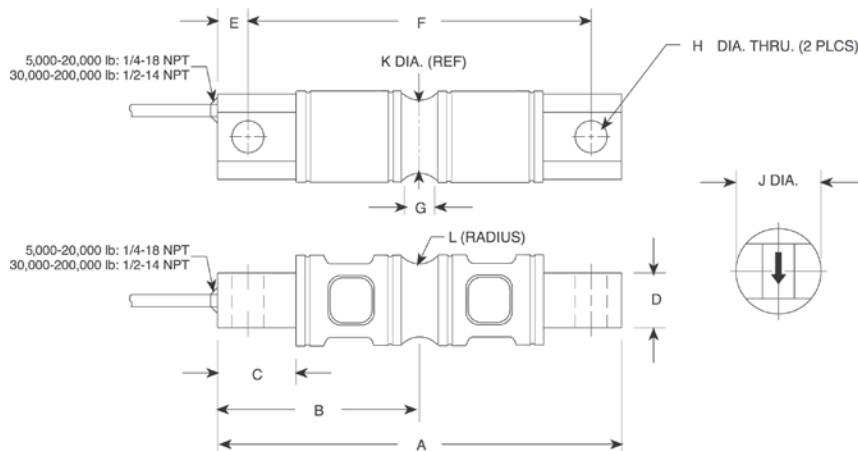


Order Information

Load Rating	Part #	Est. Weight	Price
NTEP			
5,000 lb	201758	5 lb	\$695.00
10,000 lb	201759	6 lb	\$695.00
20,000 lb	201760	7 lb	\$695.00
30,000 lb	201761	18 lb	\$800.00
40,000 lb	201762	18 lb	\$800.00
50,000 lb	201763	18 lb	\$800.00
60,000 lb	201764	18 lb	\$800.00
100,000 lb	201765	28 lb	\$1,563.00
150,000 lb	201766	34 lb	\$1,563.00
200,000 lb	201767	90 lb	\$2,940.00
Non-NTEP			
250,000 lb	201768	93 lb	\$2,940.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	J	K	L
lb/in											
5,000 to 10,000	8.12	4.06	1.44	1.12	0.62	6.88	0.62	0.66	1.70	1.48	0.50
20,000	8.12	4.06	1.44	1.12	0.62	6.88	0.84	0.66	1.95	1.48	0.50
30,000 to 60,000	10.25	5.12	1.88	2.37	0.88	8.50	1.00	1.06	3.20	2.73	1.00
100,000	11.25	5.62	1.88	2.50	0.88	9.50	1.00	1.06	3.50	3.24	1.50
150,000	11.25	5.62	1.88	2.80	0.88	9.50	1.25	1.06	3.90	3.64	1.50
200,000 to 250,000	16.10	8.05	3.05	4.60	1.55	13.00	1.30	1.56	5.38	5.17	2.00



Interchangeable Products

VPG® REVERE

5103* page 255

ARTECH®

70210

METTLER-TOLEDO®

SLD 430

*Conduit adapter optional

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

EZ Mount 1..... page 61

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

700 (± 5) ohm

Input Resistance:

5 to 10 k: 700 (± 14) ohm
20 to 150 k: 770 (± 10) ohm
200 to 250 k: 700 (± 14) ohm

Material/Finish:

High-alloy steel, nickel plated

Temperature:

Compensated:
14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.02% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:

5,000 lb: 0.02 in
10,000 lb: 0.025 in
20,000 lb: 0.042 in
30,000 to 50,000 lb: 0.02 in
60,000 lb: 0.025 in
100,000 lb: 0.02 in

Cable Length:

30 ft

Cable Color Code:

Red +Excitation
Black -Excitation
Green +Signal
White -Signal

Warranty:

Two-year limited

Approvals:

NTEP 21-064
cFMus

Interchangeable Products

VPG® REVERE

9103..... page 256

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

EZ Mount 1 SS..... page 63

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

700 (± 5) ohm

Input Resistance:

700 (± 10) ohm

Material/Finish:

Stainless steel

Temperature:

Operating:

14 °F to 104 °F (-10 °C to 40 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 VDC

Combined Error:

0.02% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

30 ft polyurethane jacket

Cable Color Code:

Red +Excitation
Black -Excitation
Green +Signal
White -Signal

Warranty:

Two-year limited

Approvals:

NTEP 21-064
cFMus

Picture is a representation of actual product.

Approvals

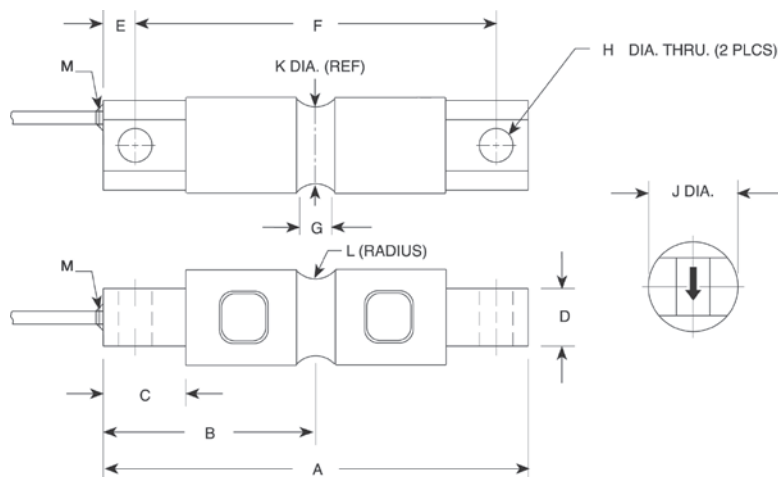


Order Information

Load Rating	Part #	Est. Weight	Price
NTEP Certified			
10,000 lb	201781	5 lb	\$820.00
20,000 lb	201782	7 lb	\$900.00
30,000 lb	201783	18 lb	\$1,033.00
40,000 lb	201784	18 lb	\$1,033.00
50,000 lb	201785	18 lb	\$1,033.00
60,000 lb	201786	18 lb	\$1,033.00
100,000 lb	201787	28 lb	\$1,960.00
Non-NTEP Certified			
5,000 lb	201780	5 lb	\$820.00
150,000 lb	201788	34 lb	\$2,173.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	J	K	L	M
lb/in												
5,000 to 10,000	8.12	4.06	1.44	1.12	0.62	6.88	0.62	0.66	1.70	1.48	0.50	1/4-18 NPT
20,000	8.12	4.06	1.44	1.12	0.62	6.88	0.84	0.66	1.95	1.48	0.50	1/4-18 NPT
30,000 to 60,000	10.25	5.12	1.88	2.37	0.88	8.50	1.00	1.06	3.20	2.73	1.00	1/2-14 NPT
100,000	11.25	5.62	1.88	2.50	0.88	9.50	1.00	1.06	3.50	3.24	1.50	1/2-14 NPT
150,000	11.25	5.62	1.88	2.80	0.88	9.50	1.25	1.06	3.90	3.64	1.50	1/2-14 NPT



RL72020 MLC Coated

Alloy Steel, Environmentally Sealed, NTEP Certified 1:5,000 Class III/1:10,000 Class IIIL Multiple Cell, IP67



Picture is a representation of actual product.

Approvals

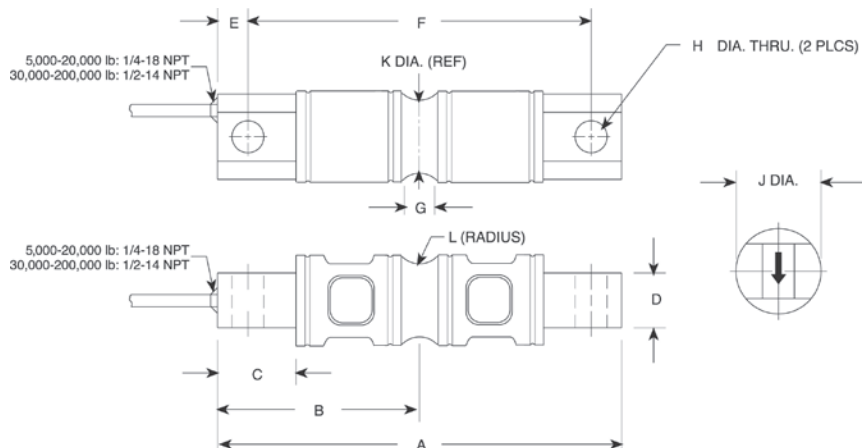


Order Information

Load Rating	Part #	Est. Weight	Price
NTEP			
5,000 lb	201769	5 lb	\$720.00
10,000 lb	201770	6 lb	\$720.00
20,000 lb	201771	7 lb	\$720.00
30,000 lb	201772	18 lb	\$826.00
40,000 lb	201773	18 lb	\$826.00
50,000 lb	201774	18 lb	\$826.00
60,000 lb	201775	18 lb	\$826.00
100,000 lb	201776	28 lb	\$1,615.00
150,000 lb	201777	34 lb	\$1,615.00
200,000 lb	201778	90 lb	\$2,990.00
Non-NTEP			
250,000 lb	201779	93 lb	\$2,990.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	J	K	L
lb/in											
5,000 to 10,000	8.12	4.06	1.44	1.12	0.62	6.88	0.62	0.66	1.70	1.48	0.50
20,000	8.12	4.06	1.44	1.12	0.62	6.88	0.84	0.66	1.95	1.48	0.50
30,000 to 60,000	10.25	5.12	1.88	2.37	0.88	8.50	1.00	1.06	3.20	2.73	1.00
100,000	11.25	5.62	1.88	2.50	0.88	9.50	1.00	1.06	3.50	3.24	1.50
150,000	11.25	5.62	1.88	2.80	0.88	9.50	1.25	1.06	3.90	3.64	1.50
200,000 to 250,000	16.10	8.05	3.05	4.60	1.55	13.00	1.30	1.56	5.38	5.17	2.00



Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

EZ Mount 1..... page 64

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

700 (± 5) ohm

Input Resistance:

5,000 to 10,000 lb: 700 (± 14) ohm20,000 to 150,000 lb: 770 (± 10) ohm200,000 to 250,000 lb: 700 (± 14) ohm

Material/Finish:

Alloy steel, coated

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.02% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:

5,000 lb: 0.02 in

10,000 lb: 0.025 in

20,000 lb: 0.042 in

30,000 to 50,000 lb: 0.02 in

60,000 lb: 0.025 in

100,000 lb: 0.02 in

Cable Length:

30 ft

Cable Diameter:

5,000 to 20,000 lb: 0.200 in

30,000 to 250,000 lb: 0.305 in

Polyurethane jacket

Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

Warranty:

Two-year limited

Approvals:

NTEP 21-064

cFMus



Picture is a representation of actual product.

Approvals

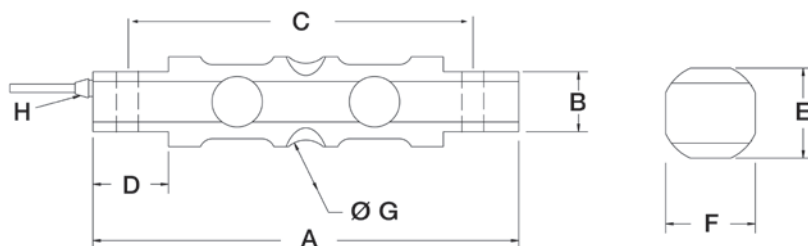


Order Information

Load Rating	Part #	Est. Weight	Price
Non-NTEP			
5,000 lb	194021	5 lb	\$1,160.00
NTEP			
10,000 lb	194022	5 lb	\$1,160.00
20,000 lb	194023	5 lb	\$1,160.00
30,000 lb	194024	20 lb	\$1,585.00
40,000 lb	194025	20 lb	\$1,585.00
50,000 lb	194026	20 lb	\$1,585.00
60,000 lb	194027	20 lb	\$1,585.00

Dimensions

Rated Capacity	A	B	C	D	E	F	ØG	H
lb/in								
5,000 to 20,000	8.12	1.14	6.88	1.44	1.71	1.71	1.00	1/4-18 NPT
30,000 to 60,000	10.25	2.38	8.50	1.88	3.03	3.03	2.00	1/2-14 NPT



Interchangeable Products

VPG® REVERE

9103..... page 256

Weight Module Available

RICE LAKE WEIGHING SYSTEMS

EZ Mount 1 HE..... page 65

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

700 (± 5) ohm

Input Resistance:

800 (± 30) ohm

Material/Finish:

Stainless steel

Temperature:

Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Welded-seal, IP68

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC

Nonlinearity:

0.03% full scale

Hysteresis:

0.5% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

25 ft

Cable Color Code:

Red +Excitation
Black -Excitation
Green +Signal
White -Signal

Warranty:

Two-year limited

Approvals:

NTEP 21-064
cFMus



Picture is a representation of actual product.

Approvals

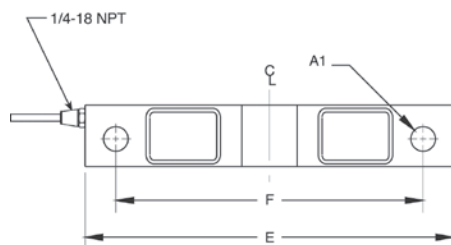


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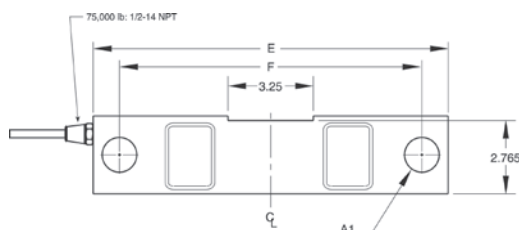
Load Rating	Part #	Est. Weight	Price
1,000 lb	221536	4 lb	\$555.00
1,500 lb	221537	4 lb	\$555.00
2,000 lb	221538	4 lb	\$555.00
2,500 lb	221539	4 lb	\$555.00
3,000 lb	221540	4 lb	\$555.00
5,000 lb	221541	4 lb	\$555.00
10,000 lb	221542	7 lb	\$635.00
15,000 lb	221543	7 lb	\$635.00
20,000 lb	221544	7 lb	\$635.00
25,000 lb	221545	7 lb	\$635.00
50,000 lb	221546	25 lb	\$980.00
75,000 lb	221547	27 lb	\$980.00

Dimensions

Rated Capacity lb/in	A1	A2	C	D	E	F
1,000 to 5,000	0.50	1.25	1.25	1.25	7.50	6.25
10,000 to 25,000	0.81	1.99	1.44	1.94	8.75	7.50
50,000	1.31	3.00	2.44	2.94	13.50	11.50
75,000	1.31	-	2.44	2.94	13.50	11.50



1,000 to 50,000 lb



75,000 lb

Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL75016page 131

VPG® SENSORTRONICS®

65016page 290

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

RL1600 Seriespage 67

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

700 (± 5) ohm

Input Resistance:

770 (± 10) ohm

Material/Finish:

High-alloy steel, nickel plated

Temperature:

Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 VDC

Nonlinearity:

0.03% full scale

Hysteresis:

0.02% full scale

Deflection at Capacity:

1,000 to 2,500 lb: 0.01 in
5,000 lb: 0.015 in
10,000 to 20,000 lb: 0.022 in
25,000 lb: 0.036 in
50,000 lb: 0.052 in
75,000 lb: 0.07 in

Insulation Resistance:

5,000 megohm

Cable Length:

25 ft

Polyurethane jacket

Cable Color Code:

Red +Excitation
Black -Excitation
Green +Signal
White -Signal

Warranty:

Two-year limited

Approvals:

cFMus



Picture is a representation of actual product.

Approvals

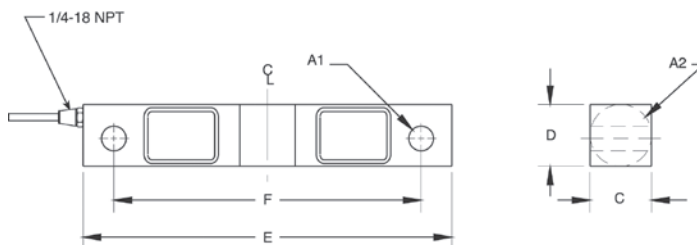


Order Information

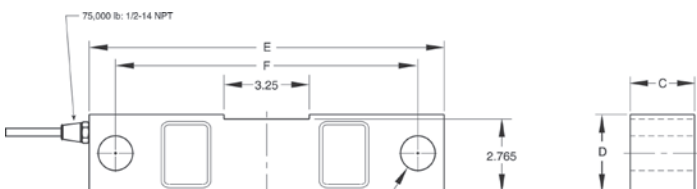
Load Rating	Part #	Est. Weight	Price
1,000 lb	221548	4 lb	\$580.00
1,500 lb	221549	4 lb	\$580.00
2,000 lb	221550	4 lb	\$580.00
2,500 lb	221551	4 lb	\$580.00
5,000 lb	221552	4 lb	\$580.00
10,000 lb	221553	7 lb	\$660.00
15,000 lb	221554	7 lb	\$660.00
20,000 lb	221555	7 lb	\$660.00
25,000 lb	221556	7 lb	\$660.00
50,000 lb	221557	25 lb	\$1,298.00
75,000 lb	221558	27 lb	\$1,298.00

Dimensions

Rated Capacity	A1	A2	C	D	E	F
lb/in						
1,000 to 5,000	0.50	1.25	1.25	1.25	7.50	6.25
10,000 to 25,000	0.81	1.99	1.44	1.94	8.75	7.50
50,000	1.31	3.00	2.44	2.94	13.50	11.50
75,000	1.31	-	2.44	2.94	13.50	11.50



1,000 to 50,000 lb



75,000 lb

Interchangeable Products

RICE LAKE WEIGHING SYSTEMS	
RL75016SS	page 133
RICE LAKE WEIGHING SYSTEMS	
RL77032SS HE	page 130
RICE LAKE WEIGHING SYSTEMS	
RL75016S-W	page 134
VPG® SENSORTRONICS®	
65016	page 290

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS	
RL1600 Series	page 69

Specifications

Full Scale Output:	3.0 mV/V
Output Resistance:	700 (± 5) ohm
Input Resistance:	770 (± 10) ohm
Material/Finish:	Stainless steel
Temperature:	Operating: 0 °F to 150 °F (-18 °C to 65 °C)
Seal Type:	Environmentally sealed, IP67
Safe Overload:	150% full scale
Safe Sideload:	100% full scale
Rated Excitation:	5 to 10 VDC
Nonlinearity:	0.07% full scale
Hysteresis:	0.02% full scale
Deflection at Capacity:	1,000 to 2,500 lb: 0.01 in 5,000 lb: 0.015 in 10,000 to 20,000 lb: 0.022 in 25,000 lb: 0.036 in 50,000 lb: 0.052 in 75,000 lb: 0.07 in
Insulation Resistance:	5,000 megohm
Cable Length:	25 ft Polyurethane
Cable Color Code:	Red +Excitation Black -Excitation Green +Signal White -Signal
Warranty:	Two-year limited
Approvals:	cFMus

RL77032SS HE

Stainless Steel, Hermetically Sealed, IP69K



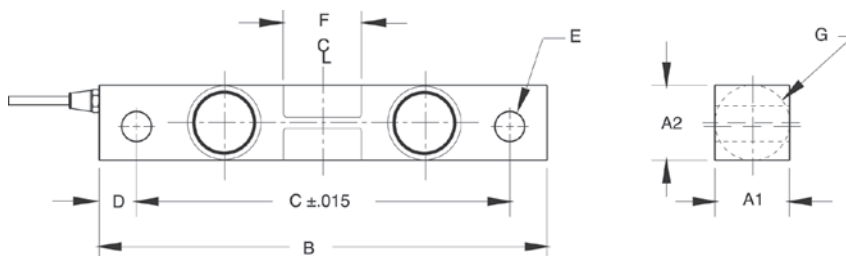
Picture is a representation of actual product.

Approvals**Order Information**

Load Rating	Part #	Est. Weight	Price
1,000 lb	221559	4 lb	\$735.00
1,500 lb	221560	4 lb	\$735.00
2,000 lb	221561	4 lb	\$735.00
2,500 lb	221562	4 lb	\$735.00
5,000 lb	221563	4 lb	\$735.00
10,000 lb	221564	7 lb	\$830.00
15,000 lb	221565	7 lb	\$830.00
20,000 lb	221566	7 lb	\$830.00
25,000 lb	221567	7 lb	\$830.00

Dimensions

Rated Capacity	A1	A2	B	C	D	E	F	G	CONDUIT ADAPTER
lb/in									
1,000 to 5,000	1.22	1.22	7.50	6.25	0.62	0.50	1.12	1.25	1/4-18 NPT
10,000 to 25,000	1.44	1.94	8.75	7.50	0.62	0.81	1.62	1.99	1/4-18 NPT

RICE LAKE
LOAD CELLS**Interchangeable Products**

RICE LAKE WEIGHING SYSTEMS

RL75016WHE..... page 135

VPG® SENSORTRONICS®

65016WH..... page 292**Weigh Module Available**

RICE LAKE WEIGHING SYSTEMS

RL1600 HE Series..... page 71**Specifications****Full Scale Output:**

3.0 mV/V

Output Resistance:

700 (± 5) ohm

Input Resistance:

770 (± 10) ohm

Material/Finish:

Stainless steel

Temperature:Operating:
0 °F to 150 °F (-18 °C to 65 °C)**Seal Type:**

Hermetically sealed, IP69K

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 VDC

Nonlinearity:

0.03% full scale

Hysteresis:

0.02% full scale

Deflection at Capacity:1,000 lb: 0.01 in
5,000 lb: 0.015 in
10,000 to 20,000 lb: 0.022 in
25,000 lb: 0.036 in
50,000 lb: 0.052 in
75,000 lb: 0.07 in**Insulation Resistance:**

5,000 megohm

Cable Length:25 ft
Polyurethane jacket**Cable Color Code:**Red +Excitation
Black -Excitation
Green +Signal
White -Signal**Warranty:**

Two-year limited

Approvals:

cFMus

Limited Stock Available

DOUBLE-ENDED BEAM

RL75016

Alloy Steel, Environmentally Sealed, IP67



Picture is a representation of actual product.

Approvals

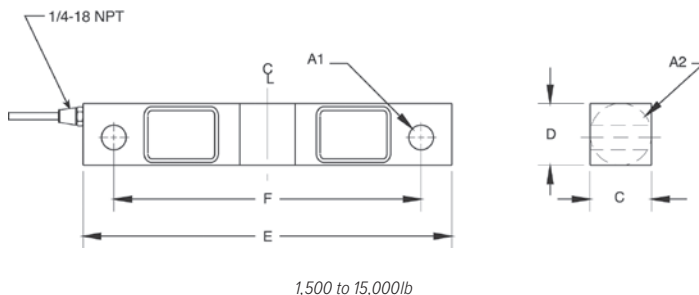


Order Information

Load Rating	Part #	Est. Weight	Price
1,500 lb	17302	4 lb	\$556.00
15,000 lb	17313	7 lb	\$636.00

Dimensions

Rated Capacity	A1	A2	C	D	E	F
lb/in						
1,500	0.50	1.25	1.25	1.25	7.50	6.25
15,000	0.81	1.99	1.44	1.94	8.75	7.50



1,500 to 15,000 lb

Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL77032.....page 128

VPG® CELTRON®

DSR.....page 195

VPG® SENSORTRONICS®

65016.....page 290

VPG® REVERE

5203

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

RL1600 Series.....page 66

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

700 (± 5) ohm

Input Resistance:

770 (± 10) ohm

Material/Finish:

High-alloy steel, nickel plated

Temperature:

Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Nonlinearity:

0.03% full scale

Hysteresis:

0.02% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:

1,500 lb: 0.01 in
15,000 to 20,000 lb: 0.022 in

Cable Length:

25 ft

Cable Diameter:

0.200 in
Polyurethane jacket

Cable Color Code:

Red +Excitation
Black -Excitation
Green +Signal
White -Signal

Warranty:

Two-year limited

Approvals:

cFMus

**RICE LAKE
LOAD CELLS**

DOUBLE-ENDED BEAM
RL75016 MLC Coated

Alloy Steel, Environmentally Sealed, IP67



Picture is a representation of actual product.

Approvals



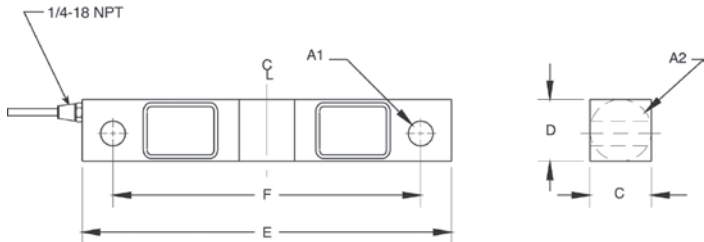
Order Information

Load Rating	Part #	Est. Weight	Price
1,000 lb	187058	4 lb	\$583.00
1,500 lb	187059	4 lb	\$583.00
2,000 lb	187060	4 lb	\$583.00
2,500 lb	187061	4 lb	\$583.00
5,000 lb	187063	4 lb	\$583.00
10,000 lb	187064	7 lb	\$662.00
15,000 lb	187065	7 lb	\$662.00
20,000 lb	187066	7 lb	\$662.00
25,000 lb	187067	7 lb	\$662.00
50,000 lb	187068	25 lb	\$1,007.00
75,000 lb*	187069	27 lb	\$1,007.00

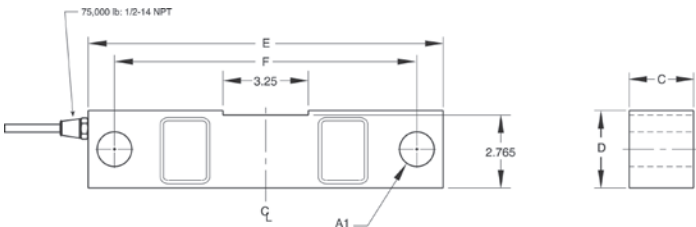
*75,000lb capacity has a square center

Dimensions

Rated Capacity	A1	A2	C	D	E	F
lb/in						
1,000 to 5,000	0.50	1.25	1.25	1.25	7.50	6.25
10,000 to 25,000	0.81	1.99	1.44	1.94	8.75	7.50
50,000	1.31	3.00	2.44	2.94	13.50	11.50
75,000	1.31	—	2.44	2.94	13.50	11.50



1,000 to 50,000lb



75,000lb

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

RL1600 Series page 70

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

700 (± 5) ohm

Input Resistance:

770 (± 10) ohm

Material/Finish:

Alloy steel, coated

Temperature:

Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Nonlinearity:

0.03% full scale

Hysteresis:

0.02% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

25 ft

Cable Color Code:

Red +Excitation
Black -Excitation
Green +Signal
White -Signal

Warranty:

Two-year limited

Approvals:

cFMus

Limited Stock Available

DOUBLE-ENDED BEAM

RL75016SS

Stainless Steel, Environmentally Sealed, IP67



Picture is a representation of actual product.

Approvals

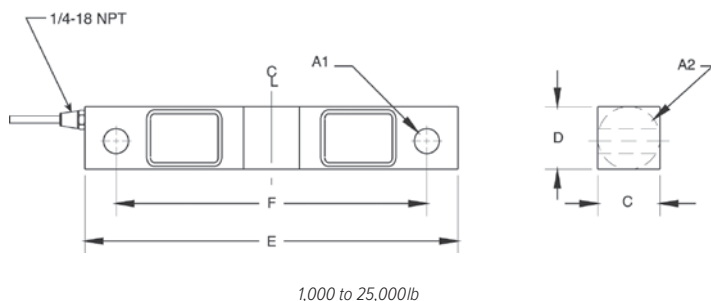


Order Information

Load Rating	Part #	Est. Weight	Price
1,500 lb	17303	4 lb	\$583.00
2,000 lb	17305	4 lb	\$583.00
25,000 lb	17318	7 lb	\$662.00

Dimensions

Rated Capacity lb/in	A1	A2	C	D	E	F
1,500 to 2,000	0.50	1.25	1.25	1.25	7.50	6.25
25,000	0.81	1.99	1.44	1.94	8.75	7.50



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL77032SS page 129

RICE LAKE WEIGHING SYSTEMS

RL75016WHE* page 135

VPG® SENSORTRONICS®

65016W page 291

VPG SENSORTRONICS

65016WH* page 292

VPG® REVERE

9203

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

RL1600 Series page 68

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

700 (± 5) ohm

Input Resistance:

770 (± 10) ohm

Material/Finish:

Stainless steel

Temperature:

Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Nonlinearity:

0.07% full scale

Hysteresis:

0.02% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:

1,500 to 2,000 lb: 0.01 in
25,000 lb: 0.036 in

Cable Length:

25 ft

Cable Diameter:

0.200 in
Polyurethane jacket

Cable Color Code:

Red +Excitation
Black -Excitation
Green +Signal
White -Signal

Warranty:

Two-year limited

Approvals:

cFMus

RICE LAKE
LOAD CELLS

DOUBLE-ENDED BEAM
RL75016SS-W
Stainless Steel, Welded Seal, IP67



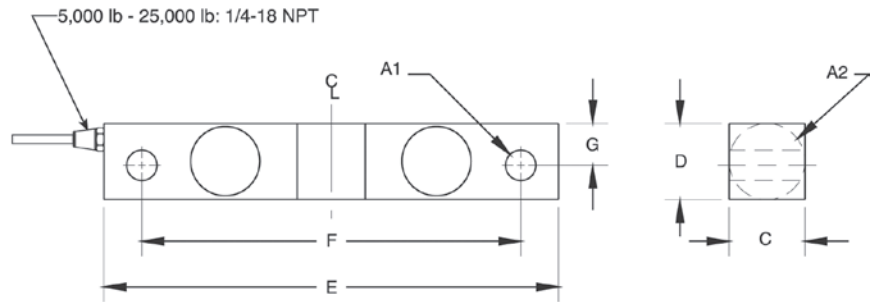
Picture is a representation of actual product.

Order Information

Load Rating	Part #	Est. Weight	Price
5,000 lb	168115	4 lb	\$630.00
10,000 lb	168116	7 lb	\$715.00
15,000 lb	168117	7 lb	\$715.00
20,000 lb	168118	7 lb	\$715.00
25,000 lb	168119	7 lb	\$715.00

Dimensions

Rated Capacity	A1	A2	C	D	E	F	G
lb/in							
5,000	0.50	1.25	1.25	1.25	7.50	6.25	0.69
10,000 to 25,000	0.81	1.99	1.44	1.94	8.75	7.50	0.96



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS	
RL77032SS HE.....	page 130
RICE LAKE WEIGHING SYSTEMS	
RL75016SS.....	page 133
RICE LAKE WEIGHING SYSTEMS	
RL75016WHE.....	page 135

Specifications

- Full Scale Output:**
3.0 mV/V
- Output Resistance:**
700 (± 5) ohm
- Input Resistance:**
770 (± 10) ohm
- Material/Finish:**
Stainless steel
- Temperature:**
Operating:
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**
Welded-seal, IP67
- Safe Overload:**
100% full scale
- Rated Excitation:**
5 to 10 VDC (15 V max)
- Hysteresis:**
0.02% full scale
- Linearity:**
0.03% full scale
- Cable Length:**
25 ft
- Cable Color Code:**
Red +Excitation
Black -Excitation
Green +Signal
White -Signal
- Warranty:**
Two-year limited



DOUBLE-ENDED BEAM
RL75016WHE

Stainless Steel, Hermetically Sealed, IP69K



Picture is a representation of actual product.

Approvals

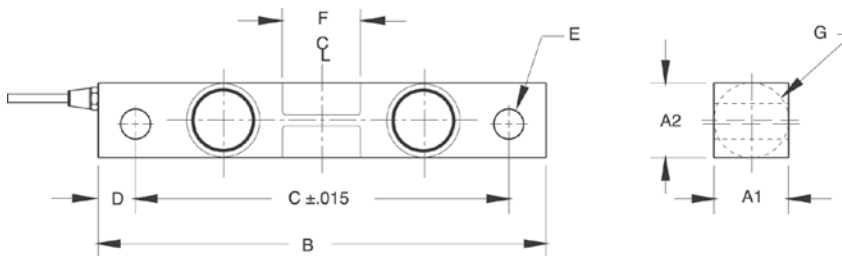


Order Information

Load Rating	Part #	Est. Weight	Price
2,000 lb	67045	4 lb	\$736.00
20,000 lb	67050	7 lb	\$832.00
25,000 lb	67051	7 lb	\$832.00

Dimensions

Rated Capacity	A1	A2	B	C	D	E	F	G	CONDUIT ADAPTER
lb/in									
2,000	1.22	1.22	7.50	6.25	0.62	0.50	1.12	1.25	1/2-14 NPT
20,000 to 25,000	1.44	1.94	8.75	7.50	0.62	0.81	1.62	1.99	1/2-14 NPT



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS
RL77032SS HE.....page 130
VPG SENSORTRONICS
65016WH.....page 292

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS
RL1600 Series.....page 68

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

699 to 707 ohm

Input Resistance:

686 to 714 ohm

Material/Finish:

Stainless steel

Temperature:

Operating range
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Hermetically sealed, IP69K

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Insulation Resistance:

2,000 megohm

Cable Length:

25 ft

Cable Diameter:

0.200 in
Polyurethane jacket

Cable Color Code:

Red +Excitation
Black -Excitation
Green +Signal
White -Signal

Warranty:

Two-year limited

Approvals:

cFMus

RICE LAKE
LOAD CELLS

RL75058I for Rice Lake Coil Scale

Alloy Steel, Environmentally Sealed, NTEP Certified 1:5,000 Class III Multiple Cell, IP67



Picture is a representation of actual product.

Approvals

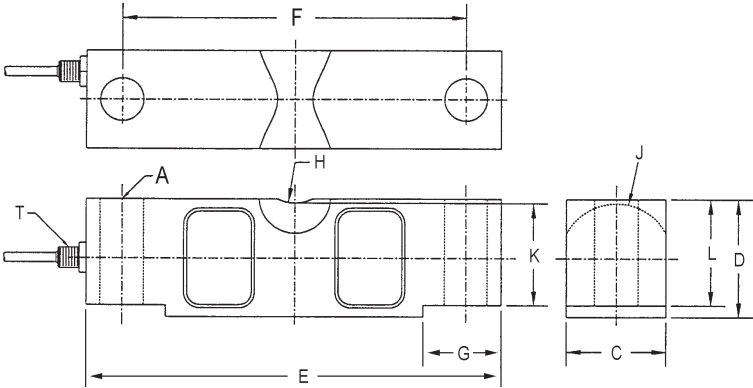


Order Information

Load Rating	Part #	Est. Weight	Price
20,000 lb	121439	8 lb	\$673.00
25,000 lb	121440	8 lb	\$673.00
40,000 lb	121441	13 lb	\$805.00
50,000 lb	121442	19 lb	\$885.00
60,000 lb	121443	19 lb	\$885.00
75,000 lb	121444	19 lb	\$885.00

Dimensions

Rated Capacity	A	C	D	E	F	G	H	J	K	L	T
lb/in											
20,000 to 25,000	0.68	1.69	1.94	7.75	6.50	1.38	0.75	0.90	1.63	1.70	1/4-18 NPT
40,000	0.81	1.94	2.44	10.25	8.50	1.93	1.00	1.12	2.00	2.10	1/4-18 NPT
50,000 to 75,000	1.06	2.44	2.94	10.25	8.50	1.93	1.00	1.37	2.54	2.65	1/2-14 NPT



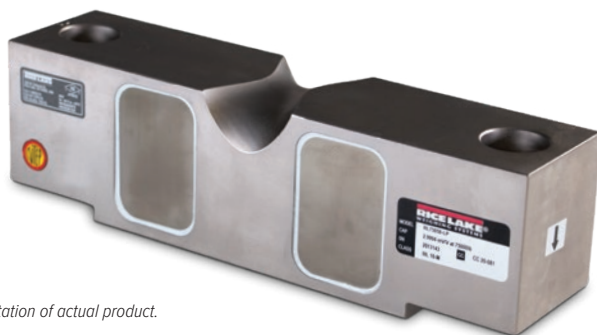
Specifications

- Full Scale Output:**
3.0 mV/V
- Output Resistance:**
699 to 707 ohm
- Input Resistance:**
686 to 714 ohm
- Material/Finish:**
High-alloy steel, nickel plated
- Temperature:**
Compensated:
14 °F to 104 °F/-10 °C to 40 °C
Operating:
0 °F to 150 °F/-18 °C to 65 °C
- Seal Type:**
Environmentally sealed, IP67
- Safe Overload:**
150% full scale
- Safe Sideload:**
100% full scale
- Rated Excitation:**
5 to 10 VDC (15 V maximum)
- Combined Error:**
0.02% full scale
- Insulation Resistance:**
5,000 megohm
- Cable Length:**
35 ft
- Cable Diameter:**
20,000 lb: 0.200 in
40,000 to 75,000 lb: 0.305 in
Polyurethane jacket
- Cable Color Code:**
Red +Excitation
Black -Excitation
Green +Signal
White -Signal
- Warranty:**
Two-year limited
- Approvals:**
NTEP 98-143
cFMus



Alloy Steel, Environmentally Sealed, NTEP Certified 1:10,000 Class IIIL Multiple Cell, IP67

DOUBLE-ENDED BEAM RL75058-LP



Picture is a representation of actual product.

Approvals



Order Information

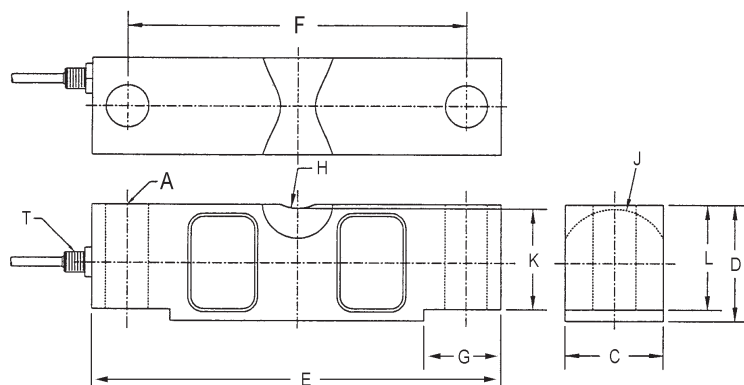
Load Rating	Part #	Est. Weight	Price
NTEP Certified 35 ft Cable			
20,000 lb	197770	8 lb	\$673.00
25,000 lb	197771	8 lb	\$673.00
40,000 lb	197772	13 lb	\$805.00
50,000 lb	197773	19 lb	\$885.00
60,000 lb	197774	19 lb	\$885.00
75,000 lb	197775	19 lb	\$885.00
100,000 lb	197776	40 lb	\$1,669.00
125,000 lb	197777	40 lb	\$1,669.00
Non-NTEP Certified 35 ft Cable			
10,000 lb	197769	8 lb	\$652.00
NTEP Certified 60 ft Cable			
50,000 lb	197778	20 lb	\$995.00
75,000 lb**	197781	20 lb	\$995.00
75,000 lb*	197782	20 lb	\$1,100.00
125,000 lb	197779	40 lb	\$1,800.00
NTEP Certified 100 ft Cable			
75,000 lb	197780	22 lb	\$1,100.00

*Stainless steel overbraid cable

**Used in Rice Lake truck scales

Dimensions

Rated Capacity	A	C	D	E	F	G	H	J	K	L	T
lb/in											
10,000 to 25,000	0.68	1.69	1.94	7.75	6.50	1.38	0.75	0.90	1.63	1.70	1/4-18 NPT
40,000	0.81	1.94	2.44	10.25	8.50	1.93	1.00	1.12	2.00	2.10	1/4-18 NPT
50,000 to 75,000	1.06	2.44	2.94	10.25	8.50	1.93	1.00	1.37	2.54	2.65	1/2-14 NPT
100,000 to 125,000	1.62	2.90	3.86	15.25	12.75	3.13	1.50	1.80	3.30	3.43	1/2-14 NPT



Interchangeable Products

VPG® SENSORTRONICS®	
65058A	..... page 293
VPG® CELTRON®	
CLB	..... page 196
ARTECH®	
70210	
ARTECH®	
70310	

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS	
RL2100HE	..... page 32
RICE LAKE WEIGHING SYSTEMS	
MVS	..... page 72

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

700 (± 5) ohm

Input Resistance:

770 (± 10) ohm

Material/Finish:

High-alloy steel, nickel plated

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.02% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

35 ft

60 ft

100 ft

Cable Diameter:

10,000 to 25,000 lb: 0.200 in

40,000 to 125,000 lb: 0.305 in

Polyurethane jacket

Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

Warranty:

Two-year limited

Approvals:

NTEP 20-081

cFMus

RICE LAKE
LOAD CELLS



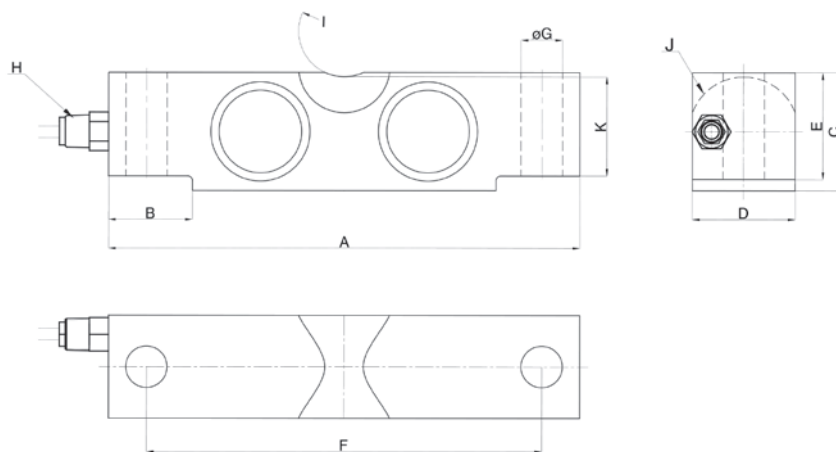
Picture is a representation of actual product.

Approvals**Order Information**

Load Rating	Part #	Est. Weight	Price
NTEP Certified 35 ft Cable			
20,000 lb	197797	8 lb	\$927.00
25,000 lb	197798	8 lb	\$927.00
35,000 lb	198431	13 lb	\$1,095.00
40,000 lb	198430	13 lb	\$1,160.00
50,000 lb	197799	19 lb	\$1,160.00
60,000 lb	197800	19 lb	\$1,160.00
75,000 lb	197801	19 lb	\$1,160.00
100,000 lb	197803	40 lb	\$1,895.00
125,000 lb	197804	40 lb	Consult
Non-NTEP Certified 35 ft Cable			
10,000 lb	197796	8 lb	\$864.00
NTEP Certified 60 ft Cable			
75,000 lb	197802	20 lb	\$1,240.00
NTEP Certified 100 ft Cable			
75,000 lb	225266	20 lb	\$1,325.00

Dimensions

Rated Capacity	A	B	C	D	E	F	ØG	H	I	J	K
lb/in											
10,000 to 25,000	7.75	1.38	1.94	1.69	1.70	6.50	0.68	1/4-18 NPT	R19.1	R22.9	1.63
40,000	10.25	1.93	2.44	1.94	2.10	8.50	0.81	1/4-18 NPT	R25.4	R28.5	2.00
35,000 to 75,000	10.25	1.93	2.94	2.44	2.65	8.50	1.06	1/2-14 NPT	R25.4	R34.8	2.54
100,000 to 125,000	15.25	3.13	3.86	2.90	3.43	12.75	1.62	1/2-14 NPT	R38.1	R45.7	3.30

**Interchangeable Products**

VPG® SENSORTRONICS®

65058S..... page 294**Weigh Module Available**

RICE LAKE WEIGHING SYSTEMS

RL2100HE..... page 32

RICE LAKE WEIGHING SYSTEMS

MVS.....page 72**Specifications****Full Scale Output:**

3.0 mV/V

Output Resistance:

700 (± 7) ohm

Input Resistance:

700 (± 14) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Hermetically sealed, IP68/IP69K

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.02% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

35 ft

60 ft

Cable Diameter:

10,000 to 25,000 lb: 0.200 in

35,000 to 125,000 lb: 0.305 in

Polyurethane jacket

Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

Warranty:

Two-year limited

Approvals:

NTEP 20-081

cFMus

Limited Stock Available

DOUBLE-ENDED BEAM
RL75060S
 Stainless Steel, Welded Seal, NTEP Certified 1:5,000 III/1:10,000 Class IIIL Multiple Cell, IP67



Picture is a representation of actual product.

Approvals

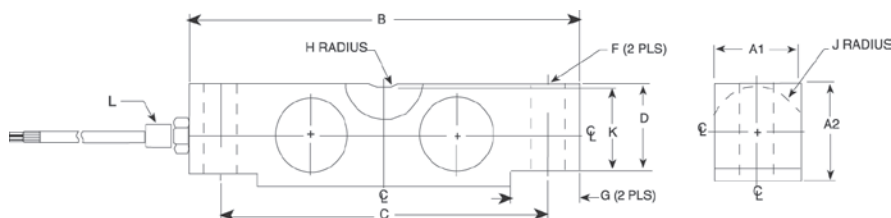


Order Information

Load Rating	Part #	Est. Weight	Price
35 ft Cable			
100,000 lb	50564	19 lb	\$2,115.00
60 ft Cable			
25,000 lb	157931	6 lb	\$1,050.00

Dimensions

Rated Capacity	F	A1	A2	B	C	G	H	J	K	D	L
lb/in											
25,000	0.68	1.69	1.94	7.75	6.50	1.38	0.75	0.90	1.63	1.70	1/4-18 NPT
100,000	1.06	2.44	3.44	10.25	8.50	1.93	1.00	1.37	2.54	2.65	1/2-14 NPT



Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

RL2100HE..... page 32

RICE LAKE WEIGHING SYSTEMS

MVS.....page 72

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

699 to 707 ohm

Input Resistance:

686 to 714 ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Welded-seal, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.02% full scale

Insulation Resistance:

1,000 megohm

Cable Length:

35 ft

60 ft

Cable Diameter:

25,000 lb: 0.200 in

100,000 lb: 0.305 in

Polyurethane jacket

Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

Warranty:

Two-year limited

Approvals:

NTEP 96-027

cFMus

**RICE LAKE
LOAD CELLS**



Picture is a representation of actual product.

Approvals

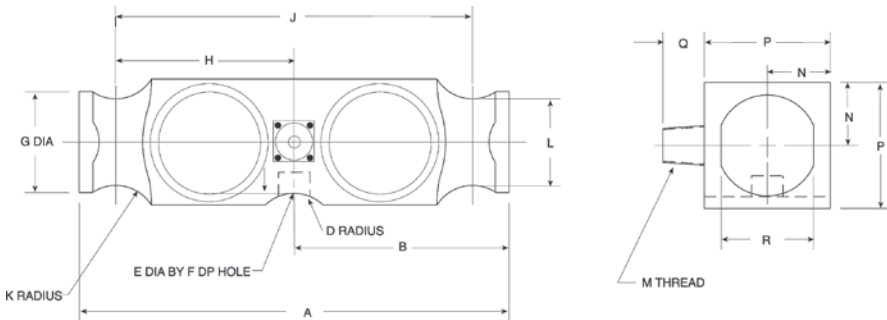


Order Information

Load Rating	Part #	Est. Weight	Price
40 ft Cable			
50,000 lb	21611	20 lb	\$900.00
65,000 lb	21612	20 lb	\$900.00
100,000 lb	21613	20 lb	\$1,160.00
60 ft Cable			
50,000 lb	107583	20 lb	\$980.00

Dimensions

Rated Capacity	A	B	D	E	F	G	H	J	K	L	M	N	P	Q	R
lb/in															
50,000 to 65,000	10.25	5.12	1.00	0.75	0.78	2.40	4.25	8.50	1.00	2.06	1/2-14 NPT	1.50	3.00	1.03	2.20
100,000	10.25	5.12	1.00	—	—	2.40	4.25	8.50	1.00	2.06	1/2-14 NPT	1.50	3.00	1.03	2.20



RICE LAKE
LOAD CELLS

Interchangeable Products

VPG® REVERE	
5223	.....page 257
VPG® SENSORTRONICS®	
65040A-XX-1127W	.....page 298
ARTECH®	
80210	
THURMAN®	
TSC 800	
UNIBRIDGE®	
DL9000	

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS	
Translink™	.....page 73

Specifications

Full Scale Output:	3.0 mV/V
Output Resistance:	699 to 707 ohm
Input Resistance:	686 to 714 ohm
Material/Finish:	High-alloy steel
Temperature:	Compensated: 14 °F to 104 °F (-10 °C to 40 °C) Operating: 0 °F to 150 °F (-18 °C to 65 °C)
Seal Type:	Welded-seal, IP67
Safe Overload:	150% full scale
Safe Sideload:	100% full scale
Rated Excitation:	5-10 VDC (15 V maximum)
Combined Error:	0.03% full scale
Non-repeatability:	0.01% full scale
Insulation Resistance:	5,000 megohm
Deflection at Capacity:	50,000 lb: 0.018 in 65,000 lb: 0.022 in 100,000 lb: 0.034 in
Cable Length:	40 ft 60 ft
Cable Diameter:	0.305 in Polyurethane jacket
Cable Color Code:	Red +Excitation Black -Excitation Green +Signal White -Signal
Warranty:	Two-year limited
Approvals:	NTEP 97-126 cFMus



Picture is a representation of actual product.

Approvals

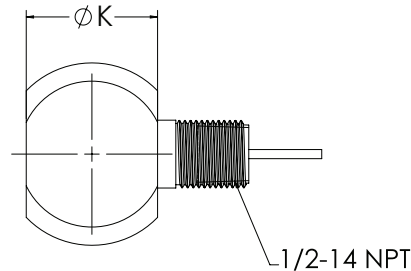
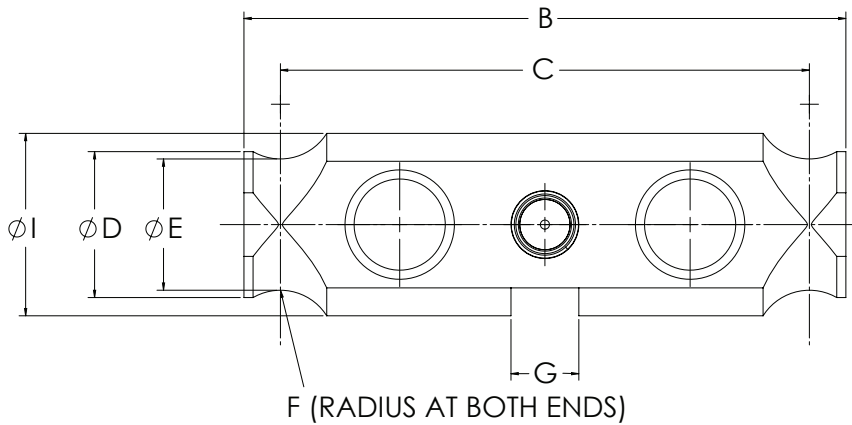


Order Information

Load Rating	Part #	Est. Weight	Price
50,000 lb	91765	10 lb	\$1,275.00

Dimensions

Rated Capacity	B	C	D	E	F	G	K	I
lb/in								
50,000	8.25	7.25	2.00	1.76	0.75	0.93	1.80	2.50



Interchangeable Products

CARDINAL®
DB50000S

Specifications

Full Scale Output:

2.0 (± 0.1%) mV/V

Output Resistance:

699 to 707 ohm

Input Resistance:

686 to 714 ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Welded-seal, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.03% full scale

Non-repeatability:

0.01% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:

0.01 in

Cable Length:

35 ft

Cable Diameter:

0.305 in

Polyurethane jacket

Cable Color Code:

Red +Excitation

Black -Excitation

White +Signal

Green -Signal

Warranty:

Two-year limited

Approvals:

NTEP 92-018

cFMus

RL75040

Alloy Steel, Environmentally Sealed, NTEP Certified 1:10,000 Class IIIL Multiple Cell, IP67



Picture is a representation of actual product.

Approvals



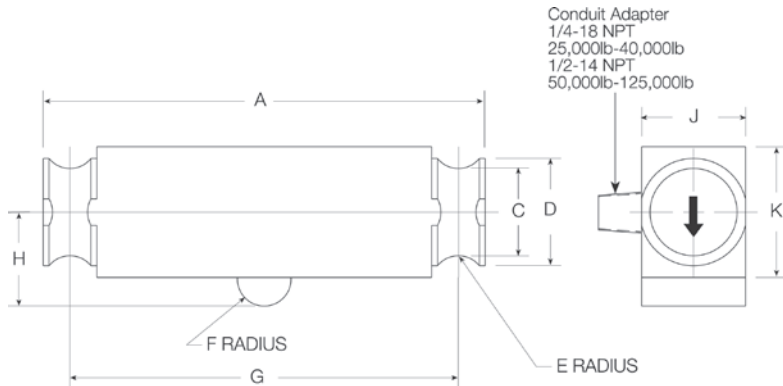
Order Information

Load Rating	Part #	Est. Weight	Price
35 ft Cable			
25,000 lb	21614	11 lb	\$675.00
40,000 lb	21615	12 lb	\$805.00
50,000 lb LE	21616	17 lb	\$885.00
60,000 lb LE	21617	17 lb	\$885.00
75,000 lb	21618	17 lb	\$885.00
100,000 lb	21619	40 lb	\$1,669.00
125,000 lb	21620	40 lb	\$1,669.00
40 ft Cable			
50,000 lb SE	87253	11 lb	\$805.00
60,000 lb SE	53593	11 lb	\$805.00
50 ft Cable			
50,000 lb LE	21621	18 lb	\$925.00
60,000 lb LE	21622	18 lb	\$925.00
75,000 lb	40951	18 lb	\$925.00

SE=small envelope; LE=large envelope

Dimensions

Rated Capacity	A	C	D	E	F	G	H	J	K
lb/in									
25,000 to 60,000 SE	8.25	1.63	2.00	0.50	0.50	7.25	1.75	1.94	2.44
50,000 LE to 75,000	11.50	1.70	2.20	0.75	1.00	10.00	2.00	1.94	2.94
100,000 to 125,000	14.50	2.44	3.20	1.00	1.50	12.50	2.75	2.90	3.86



Interchangeable Products

VPG® SENSORTRONICS®
65040A .....page 296
ARTECH®
80310
THURMAN®
TSC 840
SENTRAN
WD1
ANYLOAD
102TH

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS
Translink™ .....page 73

Specifications

- Full Scale Output:**
3.0 mV/V
- Output Resistance:**
700 (± 5) ohm
- Input Resistance:**
770 (± 10) ohm
pn 87253 and 53593: 686 to 714 ohms
- Material/Finish:**
High-alloy steel, nickel plated
- Temperature:**
Compensated:
14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**
Environmentally sealed, IP67
- Safe Overload:**
150% full scale
- Safe Sideload:**
100% full scale
- Rated Excitation:**
5 to 10 VDC (15 V maximum)
- Combined Error:**
0.03% full scale
- Insulation Resistance:**
1,000 megohm
- Cable Length:**
35 ft
40 ft
50 ft
- Cable Diameter:**
25,000 lb: 0.200 in
40,000 to 75,000 lb: 0.305 in
Polyurethane jacket
- Cable Color Code:**
Red +Excitation
Black -Excitation
Green +Signal
White -Signal
- Warranty:**
Two-year limited
- Approvals:**
NTEP 00-027
cFMus



Picture is a representation of actual product.

Approvals

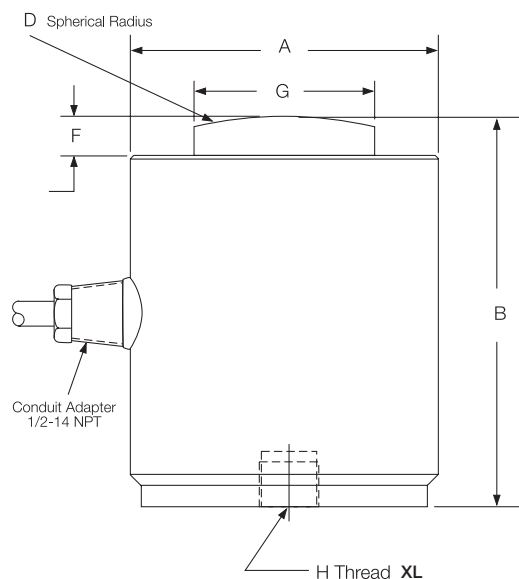


Order Information

Load Rating	Part #	Est. Weight	Price
35 ft Cable			
25,000 lb	32702	7 lb	\$1,925.00
50,000 lb	32701	7 lb	\$1,925.00
100,000 lb	32700	15 lb	\$2,250.00
200,000 lb	32699	28 lb	\$3,175.00
80 ft Cable			
200,000 lb	197788	30 lb	\$3,350.00

Dimensions

Rated Capacity	A	B	D	F	G	H	L-DEPTH
lb/in							
25,000 to 50,000	3.00	3.25	6.00	0.40	1.25	1/2-20 UNF	0.31
100,000	4.00	5.00	6.00	0.51	2.31	3/4-16 UNF	0.56
200,000	6.00	7.25	17.00	1.04	3.13	3/4-16 UNF	0.75



Interchangeable Products

VPG® REVERE

CSP page 265

VPG® SENSORTRONICS®

65088-1000

VPG® REVERE

692B

HOWE RICHARDSON®

244699-000X

STREETER AMET®

3760XXX

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

MagnaMount™ page 75

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

475.2 to 484.8 ohm

Input Resistance:

445.5 to 454.5 ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Welded-seal, IP67

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.03% full scale

Non-repeatability:

0.01% full scale

Insulation Resistance:

1,000 megohm

Deflection at Capacity:

25,000 to 50,000 lb: 0.003 in

100,000 to 125,000 lb: 0.006 in

Cable Length:

35 ft

80 ft

Cable Diameter:

0.305 in

Polyurethane jacket

Cable Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

Orange Shield

Warranty:

Two-year limited

Approvals:

NTEP 95-140

COMPRESSION CANISTER
RL8C2P1SST

Stainless Steel, Hermetically Sealed, NTEP Certified 1:10,000 Class IIIL Multiple Cell, IP68



Picture is a representation of actual product.

Approvals

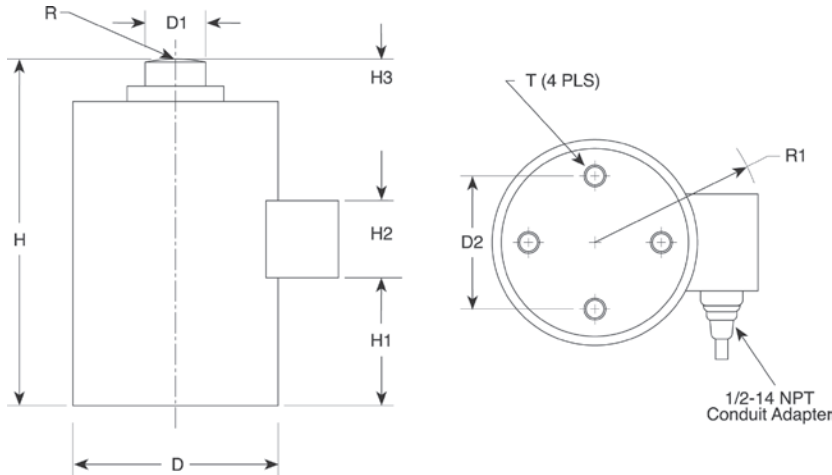


Order Information

Load Rating	Part #	Est. Weight	Price
50,000 lb	34855	20 lb	\$2,325.00
100,000 lb	34856	36 lb	\$2,325.00
200,000 lb	34857	75 lb	\$3,598.00

Dimensions

Rated Capacity	D	D1	D2	H	H1	H2	H3	R	R1	T
lb/in										
50,000	4.50	1.25	2.38	7.50	1.17	0.75	0.75	8.00	3.75	3/8-24 UNF × .63 DP
100,000	5.75	1.75	4.00	9.13	2.00	0.87	1.05	12.00	4.05	1/2-20 UNF × .75 DP
200,000	7.50	2.50	5.50	11.63	2.93	0.97	0.97	12.00	5.11	5/8-18 UNF × 25.4 DP



Interchangeable Products

VPG® REVERE

792 page 266

Specifications

- Full Scale Output:**
2.0 mV/V
- Output Resistance:**
350 (±3.5) ohm
- Input Resistance:**
350 (±3.5) ohm
- Material/Finish:**
Stainless steel
- Temperature:**
Compensated:
14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**
Hermetically sealed, IP68
- Safe Overload:**
150% full scale
- Rated Excitation:**
10 VDC (15 V maximum)
- Combined Error:**
0.03% full scale
- Non-repeatability:**
0.01% full scale
- Insulation Resistance:**
>1,000 megohm
- Deflection at Capacity:**
50,000 lb: 0.004 in
100,000 lb: 0.006 in
200,000 lb: 0.009 in
- Cable Length:**
35 ft
- Cable Color Code:**
Green +Excitation
Black -Excitation
White +Signal
Red -Signal
Orange Shield
- Warranty:**
Two-year limited
- Approvals:**
NTEP 92-218
cFMus

NEW


Picture is a representation of actual product.

Approvals

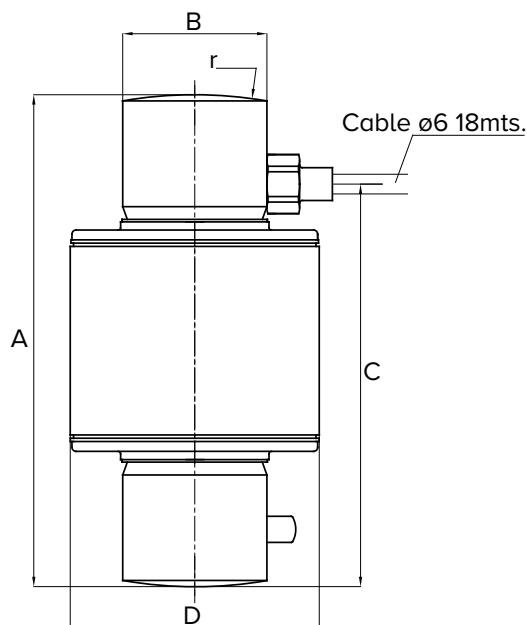


Order Information

Load Rating	Part #	Est. Weight	Price
30 t	226612	8 lb	\$695.00
50 t	226613	8 lb	\$695.00
Load Cup			
30 t	226969	7.50 lb	\$110.00
50 t	226970	7.94 lb	\$110.00

Dimensions

Rated Capacity	A	Ø B	C	D	r
t/mm					
15	150.0	44.0	123.0	76.0	130.0
20	150.0	44.0	123.0	76.0	130.0
25	150.0	44.0	123.0	76.0	150.0
30	150.0	44.0	123.0	76.0	160.0
40	150.0	44.0	123.0	76.0	180.0
50	150.0	44.0	123.0	76.0	180.0



Specifications

Full Scale Output:
2.0 mV/V

Output Resistance:
1,005 (±5) ohm

Input Resistance:
1,150 (±50) ohm

Material/Finish:
Stainless steel

Temperature:
Compensated:
14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:
Hermetically sealer, IP69K

Safe Overload:
120% full scale

Rated Excitation:
5 to 10 VDC

Combined Error:
0.013% full scale

Non-repeatability:
0.01% full scale

Insulation Resistance:
5,000 megohm

Deflection at Capacity:
0.621 mm

Cable Length:
18 m overbraid cable

Cable Color Code:
Green +Excitation
Black -Excitation
Red +Signal
White -Signal
Blue +Sense
Yellow -Sense

Warranty:
Two-year limited

Approvals:
NTEP 24-109

ROCKER COLUMN
RL82021

Stainless Steel, Hermetically Sealed, NTEP Certified 1:10,000 Class IIIIL Multiple Cell, IP69K



Picture is a representation of actual product.

Approvals

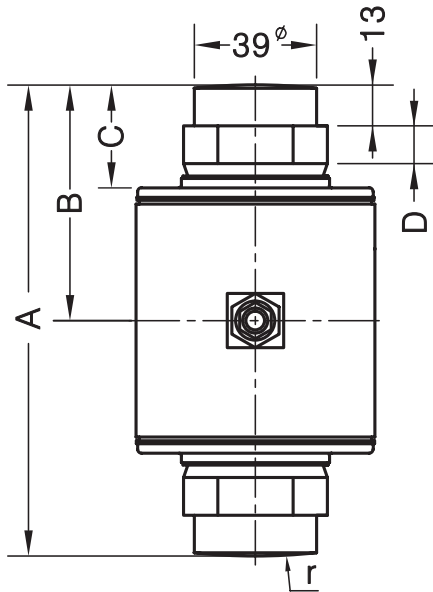


Order Information

Load Rating	Part #	Est. Weight	Price
30 t	221271	8 lb	\$695.00
40 t	207495	8 lb	\$695.00
Load Cup Kits			
30 t	223356	7.50 lb	\$110.00
40 t	223357	7.94 lb	\$110.00

Dimensions

Rated Capacity	A	B	C	D	Ball r
t/in					
30	5.51	2.76	1.10	0.28	7.09
40	5.91	2.95	1.30	0.47	7.87



Specifications

- Full Scale Output:**
2.0 mV/V
- Output Resistance:**
1,005 (± 5) ohm
- Input Resistance:**
1,150 (± 50) ohm
- Material/Finish:**
Stainless steel
- Temperature:**
Compensated:
14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**
Hermetically sealer, IP69K
- Safe Overload:**
120% full scale
- Rated Excitation:**
5 to 10 VDC
- Combined Error:**
0.013% full scale
- Non-repeatability:**
0.01% full scale
- Insulation Resistance:**
5,000 megohm
- Deflection at Capacity:**
0.621 mm
- Cable Length:**
18 m overbraid cable
- Cable Color Code:**
Green +Excitation
Black -Excitation
Red +Signal
White -Signal
Blue +Sense
Yellow -Sense
- Warranty:**
Two-year limited
- Approvals:**
NTEP 21-071



Picture is a representation of actual product.

Approvals



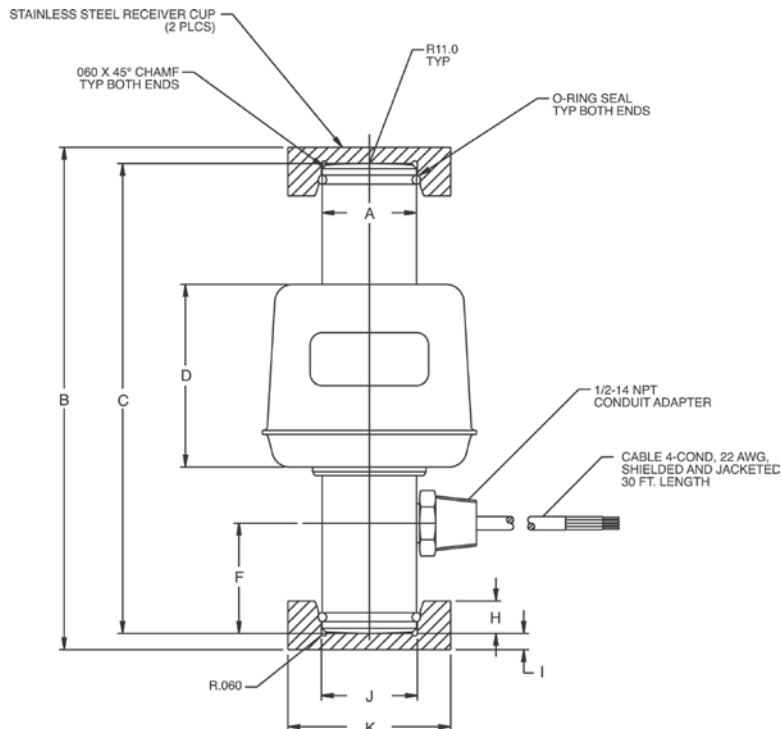
Order Information

Load Rating	Part #	Est. Weight	Price
50,000 lb*	68918	7 lb	\$1,285.00
Replacement Parts			
Replacement load cup set upper and lower included	85433	1 lb	\$100.00
Replacement O-ring	92988	1 lb	\$1.00/each

*Load cell supplied with load cups

Dimensions

Rated Capacity	A	B	C	D	F	H	I	J	K
lb/in									
50,000	1.46	7.75	7.25	2.82	1.70	0.50	0.25	1.48	2.50



Interchangeable Products

CARDINAL®
SCA-50K

Specifications

Full Scale Output:

2 mV/V nominal

Output Resistance:

1,050 (± 10) ohm

Input Resistance:

1,100 to 1,500 ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Welded-seal, IP67

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.025% full scale

Non-repeatability:

0.01% full scale

Insulation Resistance:

1,000 megohm

Cable Length:

30 ft

Cable Diameter:

0.200 in

Polyurethane jacket

Cable Color Code:

Green +Excitation

Black -Excitation

Red +Signal

White -Signal

Warranty:

Two-year limited

Approvals:

NTEP 01-073

cFMus

RL70510/RL80453

Stainless Steel, Hermetically Sealed, NTEP Certified 1:10,000 Class III L, IP69K



Picture is a representation of actual product.

Approvals**Order Information: RL70510**

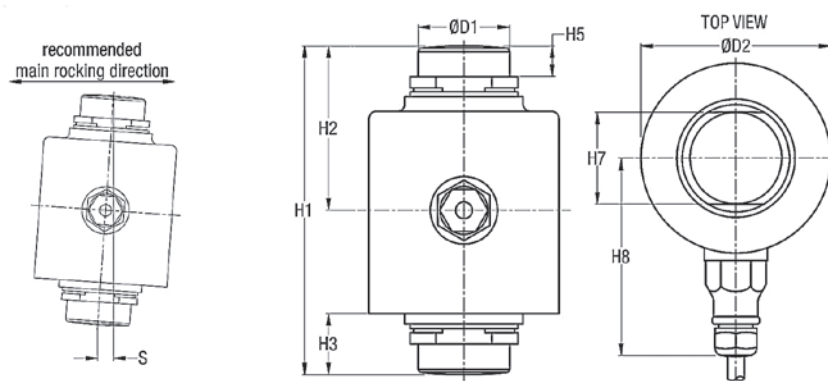
Load Rating	Part #	Est. Weight	Price
30t	169363	6 lb	\$1,044.00
Upper load cup	109332	4 lb	\$143.00
Lower load cup	109331	4 lb	\$116.00

Order Information: RL80453

Load Rating	Part #	Est. Weight	Price
100,000 lb	169365	6 lb	\$1,070.00
Upper load cup	109332	4 lb	\$143.00
Lower load cup	109331	4 lb	\$116.00

Dimensions

Rated Capacity	H1	H2	H3	H5	H7	H8	D1	D2
t/in								
30	5.51	2.76	1.02	0.51	1.54	3.32	1.54	3.18
lb/in								
100,000	5.91	2.95	1.30	0.51	1.54	3.32	1.54	3.18

**Interchangeable Products**

FAIRBANKS®

70510 LCF HR 4020-2A

FAIRBANKS

80453 LCF HR 4020-21**Specifications****Full Scale Output:**

2.0 mV/V

Output Resistance:

1,000 (± 2) ohm

Input Resistance:

1,150 (± 50) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Hermetically sealed, IP69K

Safe Overload:

200% full scale

Rated Excitation:

5 to 10 VDC (15 V max)

Combined Error:

0.02% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

15 ft

Cable Diameter:

0.200 in

Stainless steel overbraid cable

Cable Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

Yellow Shield

Warranty:

Two-year limited

Approvals:

NTEP 15-057



Picture is a representation of actual product.

Approvals



Order Information

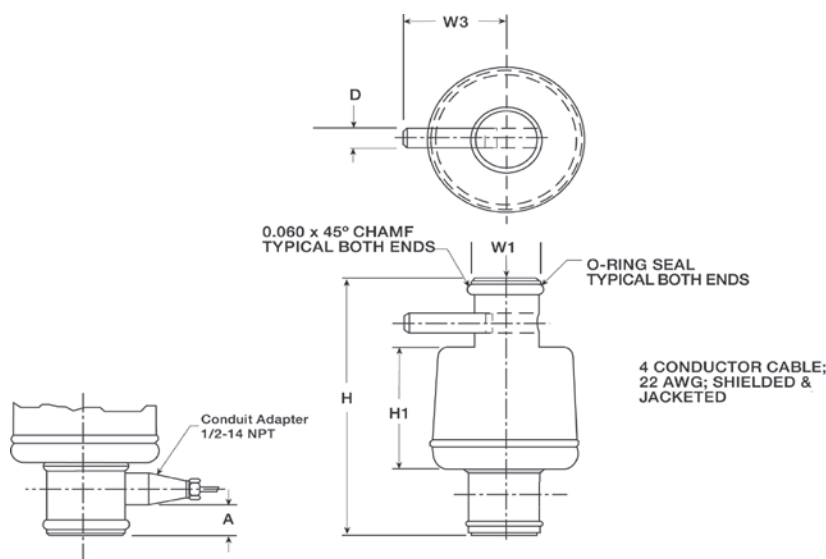
Load Rating	Part #	Est. Weight	Price
50,000 lb LE	88074	6 lb	\$1,450.00
Replacement Parts			
Replacement O-ring	92988	1lb	\$1.00
Spring pin	116181	1 lb	\$5.00

LE=Large envelope

Not interchangeable with Sensortronics 65114 - different mV/V

Dimensions

Rated Capacity	A	D	H	H1	W1	W3
lb/in						
50,000 LE	0.87	0.38	7.56	2.82	1.46	2.18



Interchangeable Products

FAIRBANKS®

64166 LCF HR 4020-2

Specifications

Full Scale Output:

1.8 mV/V nominal

Output Resistance:

1,000 (± 10) ohm

Input Resistance:

1,000 ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:
14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Welded-seal, IP67

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC

Combined Error:

0.025% full scale

Non-repeatability:

0.01% full scale

Insulation Resistance:

1,000 megohm

Cable Length:

30 ft

Cable Diameter:

0.200 in overbraid cable

Cable Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

Warranty:

Two-year limited

Approvals:

NTEP 06-022

cFMus

COMPRESSION DISK
RL90000

Alloy Steel, Environmentally Sealed, IP67



Picture is a representation of actual product.

Approvals



Order Information

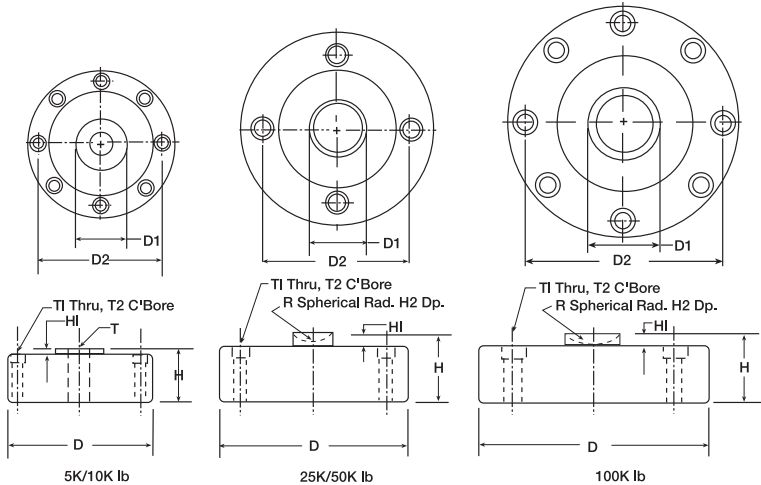
Load Rating	Part #	Est. Weight	Price
5,000 lb*	33061	6 lb	\$850.00
10,000 lb*	33062	6 lb	\$850.00
25,000 lb	33063	9 lb	\$995.00
50,000 lb	33064	9 lb	\$995.00
100,000 lb	33065	13 lb	\$1,150.00
Load Cup**	33616		\$37.00

*5,000 lb and 10,000 lb models can be used in compression and tension load applications.

**Load cup, PN 33616, is required for compression applications on 5,000 lb and 10,000 lb capacity load cells.

Dimensions

Rated Capacity	T	R	D	D1	D2	H	H1	H2	T1	T2
lb/in										
5,000 to 10,000	5/8-18 UNF-3B	—	4.12	1.26	3.50	1.37	0.12	—	0.28	0.406 x 0.283 DP
25,000 to 50,000	—	0.875	4.75	1.53	4.00	2.12	0.50	0.30	0.34	0.508 x 0.38 DP
100,000	—	0.875	5.50	1.98	4.60	2.25	0.25	0.30	0.41	0.626 x 0.4 DP



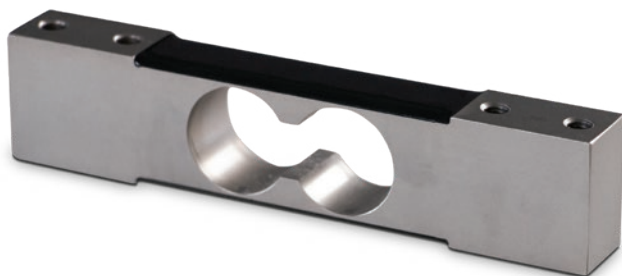
Interchangeable Products

VPG® CELTRON®
LCDpage 199

Specifications

- Full Scale Output:**
4.0 mV/V
- Output Resistance:**
5,000 to 50,000 lb: 350 (± 3) ohm
100,000 lb: 700 (± 5) ohm
- Input Resistance:**
5,000 to 50,000 lb: 385 (± 5) ohm
100,000 lb: 770 (± 70) ohm
- Material/Finish:**
High-alloy steel, nickel plated
- Temperature:**
Operating:
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**
Environmentally sealed, IP67
- Safe Overload:**
150% full scale
- Safe Sideload:**
100% full scale
- Rated Excitation:**
15 VDC (15 V maximum)
- Nonlinearity:**
0.05% full scale
- Hysteresis:**
0.02% full scale
- Insulation Resistance:**
2,000 megohm
- Cable Length:**
50 ft
- Cable Diameter:**
5,000 to 25,000 lb: 0.200 in
50,000 to 100,000 lb: 0.305 in
Polyurethane jacket
- Cable Color Code:**
Red +Excitation
Black -Excitation
Green +Signal
White -Signal
- Warranty:**
Two-year limited
- Approvals:**
cFMus

RICE LAKE
LOAD CELLS



Picture is a representation of actual product.

Approvals

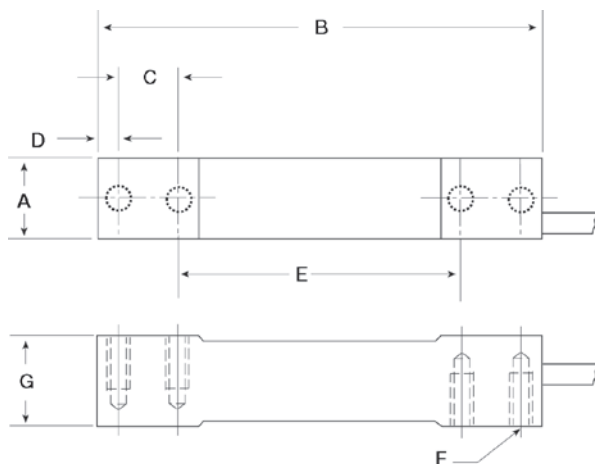


Order Information

Load Rating	Part #	Est. Weight	Price
7 kg	205274	2 lb	\$328.00
10 kg	205275	2 lb	\$328.00
30 kg	205276	2 lb	\$328.00
60 kg	205277	2 lb	\$328.00
100 kg	205278	2 lb	\$328.00
150 kg	205279	2 lb	\$328.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G
kg/mm							
7 to 10	19.0	139.8	19.0	6.6	88.7	M6 × 1.0	30.0
30 to 60	23.8	139.8	19.0	6.6	88.7	M6 × 1.0	30.0
100 to 150	30.7	139.7	22.4	6.6	79.3	3/8-16 UNC	30.0



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL1380..... page 164

FLINTEC®

PC3..... page 216

HBK®

PWS..... page 231

Specifications

Full Scale Output:

2 mV/V

Output Resistance:

350 (± 10) ohm

Input Resistance:

385 (± 15) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC

Combined Error:

0.02% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

10 ft

Cable Diameter:

0.140 in

Polyurethane jacket

Cable Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

Yellow Shield

Max Platform Size:

7 to 30 kg: 350 × 350 mm

60 to 150 kg: 450 × 450 mm

Warranty:

One-year limited

Approvals:

NTEP 21-017

OIML R60/2017-A-NL1-21.17

SINGLE POINT
RLPC4SS-HE

Stainless Steel, Hermetically Sealed, NTEP Certified 1:5,000 Class III Single Cell, IP69K



Picture is a representation of actual product.

Approvals

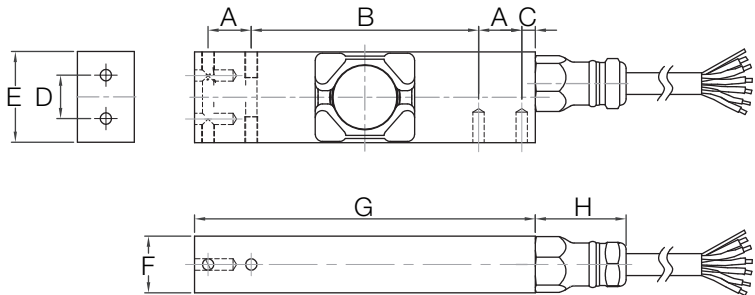


Order Information

Load Rating	Part #	Est. Weight	Price
10 kg	205270	3 lb	\$630.00
20 kg	205271	3 lb	\$630.00
50 kg	205272	3 lb	\$630.00
100 kg	205273	3 lb	\$630.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	I
kg/mm									
10 to 100	19.0	100.0	6.0	19.1	40.0	25.0	150.0	40.0	M4 × 6



RICE LAKE
LOAD CELLS

Interchangeable Products

FLINTEC®

PC4 page 218

HBK®

PW15AH* page 230

*350 Ohm

Specifications

Full Scale Output:

2 mV/V

Output Resistance:

960 (± 50) ohm

Input Resistance:

1100 (± 50) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Hermetically sealed, IP69K

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC

Combined Error:

0.02% full scale

Insulation Resistance:

> 5,000 megohm

Cable Length:

10 ft

Cable Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

Blue +Sense

Brown -Sense

Yellow Shield

Max Platform Size:

500 × 400 mm

Warranty:

One-year limited

Approvals:

NTEP 21-016

OIML R60/2017-A-NL1-21.18



Picture is a representation of actual product.

Approvals

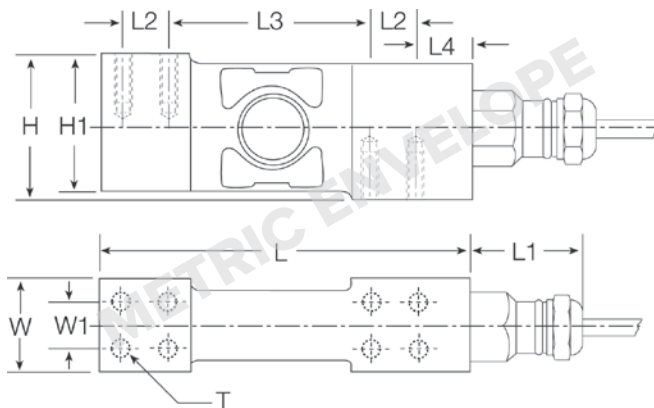


Order Information

Load Rating	Part #	Est. Weight	Price
10 kg	87027	3 lb	\$630.00
20 kg	87028	3 lb	\$630.00
50 kg	87029	3 lb	\$630.00
100 kg	87030	3 lb	\$630.00
200 kg	87031	3 lb	\$630.00

Dimensions

Rated Capacity	H	H1	L	L1	L2	L3	L4	W	W1	T
kg/mm										
10 to 200	48.0	45.5	123.0	41.0	15.2	67.6	17.8	30.1	15.2	8 x M6/15 DP



Interchangeable Products

FLINTEC®
PC6 page 219

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

960 (± 50) ohm, nominal

Input Resistance:

1,100 (± 50) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Hermetically sealed, IP69K

Safe Overload:

200% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 VDC

Combined Error:

0.02% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

3 m

Cable Diameter:

5 mm

Polyurethane jacket

Deflection at Capacity:

0.15 to 0.25 mm

Cable Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

Yellow Shield

Max Platform Size:

610 × 610 mm

Warranty:

Two-year limited

Approvals:

NTEP 06-011

FM

SINGLE POINT
RLPWM15HE

Stainless Steel, Hermetically Sealed, NTEP Certified 1:5,000 Class III Single Cell, IP69K



Picture is a representation of actual product.

Approvals

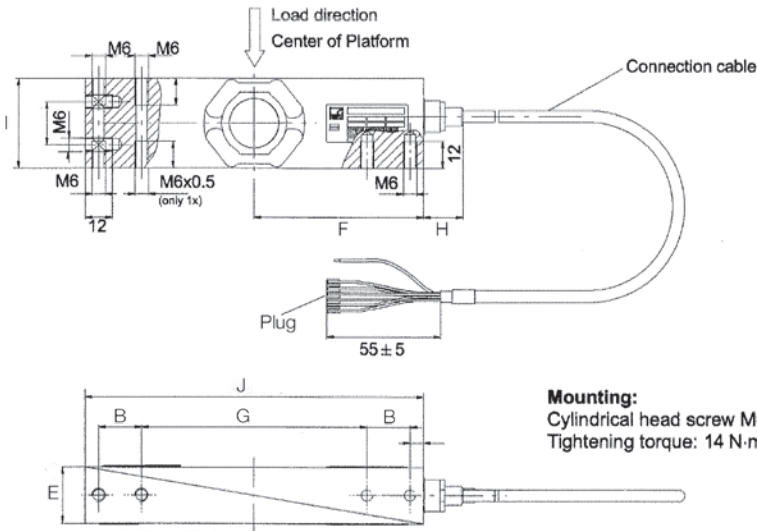


Order Information

Load Rating	Part #	Est. Weight	Price
10 ft Cable			
10 kg	108685	3 lb	\$775.00
20 kg	108686	3 lb	\$775.00
50 kg	108687	3 lb	\$775.00
100 kg	108688	3 lb	\$775.00
2.83 ft Cable			
10 kg	107174	3 lb	\$775.00
20 kg	107175	3 lb	\$775.00
50 kg	107176	3 lb	\$775.00
100 kg	107177	3 lb	\$775.00

Dimensions

Rated Capacity	B	E	F	G	H	I	J
kg/mm							
10 to 100	19.0	25.0	75.0	100.0	17.5	40.0	150.0



Mounting:
Cylindrical head screw M6-10.9
Tightening torque: 14 N·m

Interchangeable Products

HBK®
PW15AH..... page 230

Specifications

- Full Scale Output:**
2.0 mV/V
- Output Resistance:**
350 (± 10) ohm
- Input Resistance:**
380 (± 15) ohm
- Material/Finish:**
Stainless steel
- Temperature:**
Compensated:
14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**
Hermetically sealed, IP69K
- Safe Overload:**
150% full scale
- Rated Excitation:**
5 to 10 VDC (15 V maximum)
- Combined Error:**
0.02% full scale
- Insulation Resistance:**
1,000 megohm
- Cable Length:**
10 ft
2.83 ft
- Cable Diameter:**
0.212 in PVC jacket
- Cable Color Code:**
Blue +Excitation
Black -Excitation
White +Signal
Red -Signal
Green +Sense
Grey -Sense
- Max Platform Size:**
500 × 400 mm
- Warranty:**
Two-year limited
- Approvals:**
NTEP 09-015
FM



Picture is a representation of actual product.

Approvals

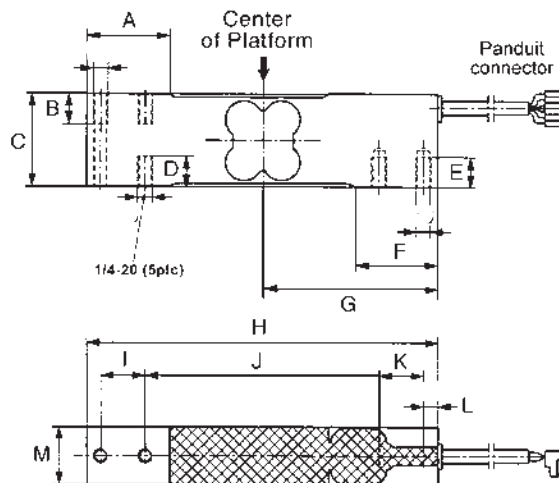


Order Information

Load Rating	Part #	Est. Weight	Price
10 kg	119904	1 lb	\$495.00
15 kg	119912	1 lb	\$495.00
20 kg	119905	1 lb	\$495.00
50 kg	119908	1 lb	\$495.00
75 kg	119909	1 lb	\$495.00
100 kg	119910	1 lb	\$495.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	I	J	K	L	M	T
kg/mm														
10 to 100	35.0	13.0	40.0	13.0	13.0	35.0	75.0	150.0	19.0	100.0	19.0	6.2	25.0	1/4-20 UNC



Interchangeable Products

HBK®
PW15..... page 229
VPG® TEDEA-HUNTLEIGH®
1142..... page 318

Specifications

Full Scale Output:
2.0 mV/V

Bridge Resistance:
350 ohm, nominal

Material/Finish:
Stainless steel

Temperature:
Compensated:
14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:
Environmentally sealed, IP67

Safe Overload:
150% full scale

Rated Excitation:
5 to 10 VDC (15 V maximum)

Combined Error:
0.02% full scale

Insulation Resistance:
1,000 megohm

Cable Length:
10 ft

Cable Diameter:
0.190 in PVC jacket

Cable Color Code:
Blue +Excitation
Black -Excitation
White +Signal
Red -Signal
Green +Sense
Grey -Sense

Max Platform Size:
15 × 15 in

Warranty:
Two-year limited

Approvals:
NTEP 11-038
FM

SINGLE POINT
RLPCBC-60

Stainless Steel, Hermetically Sealed, NTEP Certified 1:5,000 Class III Single Cell, IP69K



Picture is a representation of actual product.

Approvals

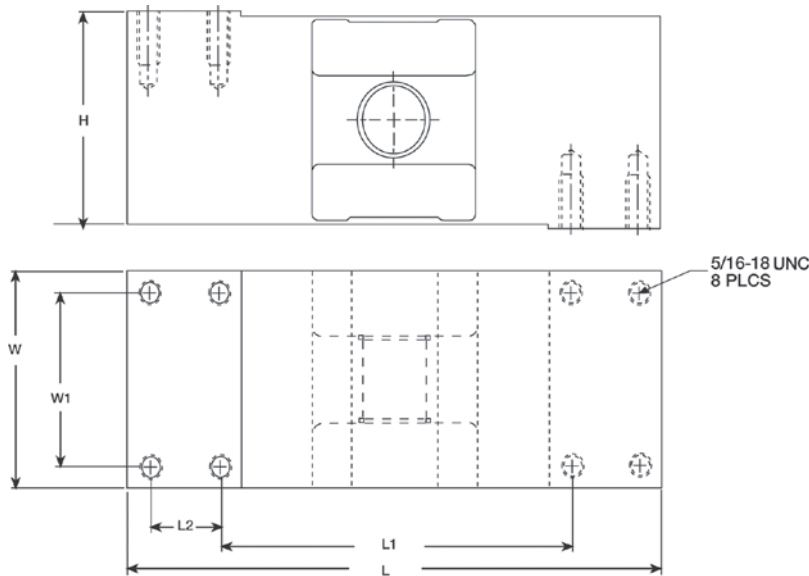


Order Information

Load Rating	Part #	Est. Weight	Price
10 ft Cables			
50 kg	87022	12 lb	\$980.00
100 kg	87023	12 lb	\$980.00
250 kg	87024	13 lb	\$980.00
500 kg	87025	13 lb	\$980.00
1,000 kg	87026	15 lb	\$980.00
20 ft Cables			
1,000 kg	227092	15 lb	\$1,025.00

Dimensions

Rated Capacity	L	L1	L2	W	W1	H
kg/mm						
50 to 1,000	190.5	107.0	35.0	73.7	50.0	73.7



Specifications

- Full Scale Output:**
2 mV/V
- Output Resistance:**
960 (± 50) ohm
- Input Resistance:**
1,100 (± 50) ohm
- Material/Finish:**
Stainless steel
- Temperature:**
Compensated:
14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**
Hermetically sealed, IP69K
- Safe Overload:**
200% full scale
- Safe Sideload:**
100% full scale
- Rated Excitation:**
5 to 10 VDC
- Combined Error:**
0.020% full scale
- Insulation Resistance:**
5,000 megohm
- Cable Length:**
10 ft
PN 227092: 20 ft
- Cable Diameter:**
0.196 in
Polyurethane jacket
- Cable Color Code:**
Green +Excitation
Black -Excitation
White +Signal
Red -Signal
Blue +Sense
Brown -Sense
Yellow Shield (shield connected to element)
- Max Platform Size:**
24 × 24 in
- Warranty:**
Two-year limited
- Approvals:**
NTEP 07-094
FM



Picture is a representation of actual product.

Approvals

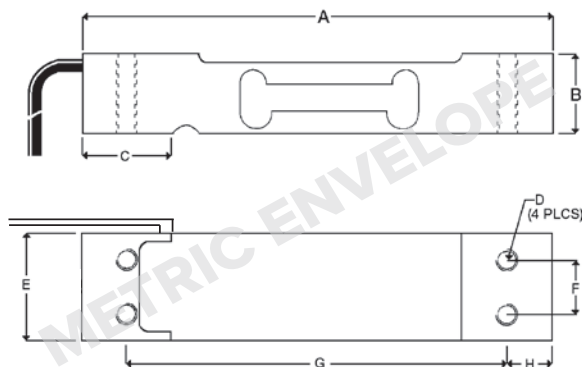


Order Information:

Load Rating	Part #	Est. Weight	Price
1.50 ft Cables			
3 kg	50620	1 lb	\$148.00
5 kg	50619	1 lb	\$148.00
7 kg	50621	1 lb	\$148.00
10 kg	50622	1 lb	\$148.00
15 kg	50623	1 lb	\$148.00
20 kg	50624	1 lb	\$148.00
30 kg	50625	1 lb	\$148.00
35 kg	50626	1 lb	\$148.00
10 ft Cables			
3 kg	132261	3 lb	\$148.00
5 kg	132262	3 lb	\$148.00
7 kg	132263	3 lb	\$148.00
10 kg	132264	3 lb	\$148.00
15 kg	132265	3 lb	\$148.00
20 kg	132266	3 lb	\$148.00
30 kg	132267	3 lb	\$148.00
35 kg	132268	3 lb	\$148.00

Dimension

Rated Capacity	A	B	C	D	E	F	G	H
kg/mm								
3 to 7	130.0	22.0	25.0	M6 × 1.0	25.4	15.0	106.0	12.0
10 to 30	130.0	22.0	25.0	M6 × 1.0	30.0	15.0	106.0	12.0
35	130.0	22.0	25.0	M6 × 1.0	40.0	15.0	106.0	12.0



Interchangeable Products

VPG® CELTRON®

LPS except 3 kg page 197

VPG® TEDEA-HUNTLEIGH®

1022 page 310

VPG® BLH®

C2G1

FAIRBANKS®

4900 Series
Checkweighers

NMB®

C2G1

ARTECH®

61022

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

350 (± 3) ohm

Input Resistance:

410 (± 15) ohm

Material/Finish:

Aluminum

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP66

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.03% full scale

Insulation Resistance:

2,000 megohm

Cable Length:

3 m

0.50 m

Cable Diameter:

3.5 mm PVC jacket

Cable Color Code:

Green +Excitation

Black -Excitation

Red +Signal

White -Signal

Max Platform Size:

13.75 × 13.75 in

Warranty:

Two-year limited

Approvals:

NTEP 98-166

cFMus

SINGLE POINT
RL1010

Aluminum, NTEP Certified 1:5,000 Class III Single Cell, Potted and Unpotted, IP65/IP67



Picture is a representation of actual product.

Approvals

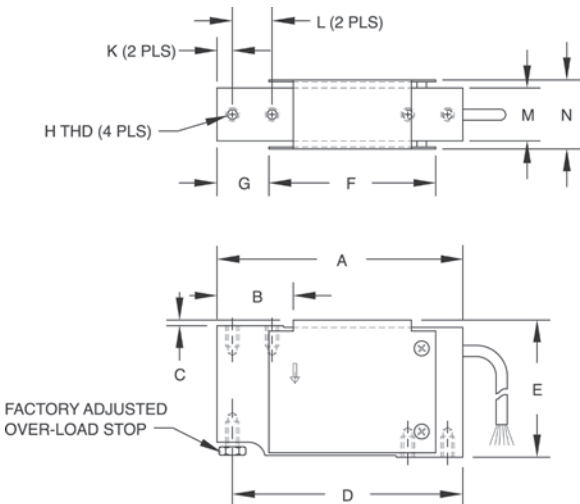


Order Information

Load Rating	Part #	Est. Weight	Price
NTEP Certified, Potted			
10 kg	50819	2 lb	\$205.00
15 kg	50820	2 lb	\$205.00
20 kg	50821	2 lb	\$205.00
30 kg	50822	2 lb	\$205.00
50 kg	50823	2 lb	\$205.00
Non-NTEP Certified, Potted			
7 kg	17529	2 lb	\$205.00
10 kg	17530	2 lb	\$205.00
15 kg	17531	2 lb	\$195.00
20 kg	17532	2 lb	\$205.00
30 kg	17533	2 lb	\$205.00
50 kg	17534	2 lb	\$205.00
90 kg	17535	2 lb	\$205.00
Non-NTEP Certified, Unpotted			
3 kg	17527	1 lb	\$190.00
5 kg	17528	1 lb	\$190.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	K	L	M	N
kg/mm												
3 to 90	118.1	34.0	3.0	110.5	66.0	80.0	25.0	1/4-20 UNC × 13 DP	7.5	19.1	25.4	33.5



Interchangeable Products

VPG® TEDEA-HUNTLEIGH®
1010/1015.....page 311

Specifications

- Full Scale Output:**
2.0 mV/V
- Output Resistance:**
350 (± 3) ohm, nominal
- Input Resistance:**
415 (± 15) ohm
- Material/Finish:**
Anodized aluminum
- Temperature:**
Compensated:
14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**
Potted: IP67
Unpotted: IP65
- Safe Overload:**
150% at center of loading point, full scale
- Rated Excitation:**
5 to 10 VDC (15 V maximum)
- Combined Error:**
0.02% full scale
- Insulation Resistance:**
5,000 megohm
- Deflection at Capacity:**
0.015 in
- Cable Length:**
Potted: 10 ft
Unpotted: 3 ft
- Cable Diameter:**
0.200 in PVC jacket
- Cable Color Code:**
Green +Excitation
Black -Excitation
Red +Signal
White -Signal
Blue +Sense
Brown -Sense
- Max Platform Size:**
15.75 × 15.75 in
- Warranty:**
Two-year limited
- Approvals:**
NTEP 00-062
cFMus

LOAD CELLS
RICE LAKE



Picture is a representation of actual product.

Approvals

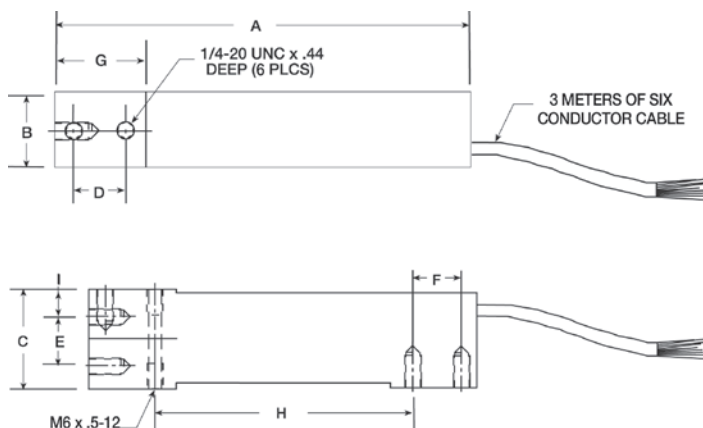


Order Information

Load Rating	Part #	Est. Weight	Price
NTEP Certified			
7 kg	91725	2 lb	\$235.00
10 kg	91726	2 lb	\$235.00
15 kg	91727	2 lb	\$235.00
20 kg	91728	2 lb	\$235.00
30 kg	91729	2 lb	\$235.00
50 kg	91730	2 lb	\$235.00
75 kg	91731	2 lb	\$235.00
100 kg	91732	2 lb	\$235.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	I
kg/mm									
5 to 100	150.3	25.4	39.9	19.1	19.1	19.1	33.8	99.6	11.4



Interchangeable Products

HBK®
SP4M..... page 228

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

350 (± 3) ohm

Input Resistance:

350 ohm

Material/Finish:

Anodized aluminum

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP66

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.02% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:

0.4 mm

Cable Length:

10 ft

Cable Diameter:

0.19 in PVC jacket

Cable Color Code:

Green +Excitation

Black -Excitation

Red +Signal

White -Signal

Blue +Sense

Brown -Sense

Yellow Shield

Max Platform Size:

5 to 10 kg: 12 × 12 in

15 to 30 kg: 18 × 18 in

50 to 100 kg: 24 × 24 in

Warranty:

Two-year limited

Approvals:

NTEP 05-114

FM

SINGLE POINT
RLPWM16

Aluminum, Environmentally Sealed, NTEP Certified 1:5,000 Class III Single Cell, IP67

Limited Stock
Available



Picture is a representation of actual product.

Approvals

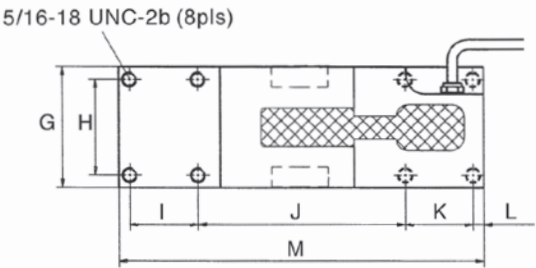
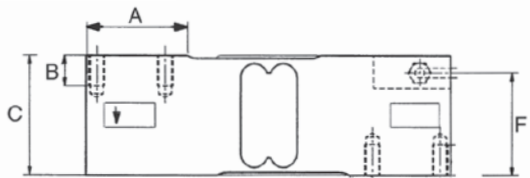


Order Information

Load Rating	Part #	Est. Weight	Price
75 kg	91686	5 lb	\$313.00

Dimensions

Rated Capacity	A	B	C	F	G	H	I	J	K	L	M
kg/mm											
75	52.0	16.0	62.3	52.3	63.0	50.0	35.0	107.0	35.0	5.5	188.0



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL1260

VPG® TEDEA-HUNTLEIGH®

1260 page 319

Specifications

- Full Scale Output:**
2.0 mV/V
- Output Resistance:**
300 to 500 ohm
- Input Resistance:**
300 to 500 ohm
- Material/Finish:**
Aluminum
- Temperature:**
Compensated:
14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**
Environmentally sealed, IP67
- Safe Overload:**
150% full scale
- Rated Excitation:**
5 to 10 VDC (15 V maximum)
- Combined Error:**
0.02% full scale
- Insulation Resistance:**
1,000 megohm
- Cable Length:**
10 ft
- Cable Diameter:**
0.190 in PVC jacket
- Deflection at Capacity**
50 to 635 kg < 0.6 mm
- Cable Color Code:**
Green +Excitation
Black -Excitation
Red +Signal
White -Signal
Blue +Sense
Brown -Sense
- Max Platform Size:**
24 × 24 in
- Warranty:**
Two-year limited
- Approvals:**
NTEP 05-112
FM

RICE LAKE
LOAD CELLS



Picture is a representation of actual product.

Approvals

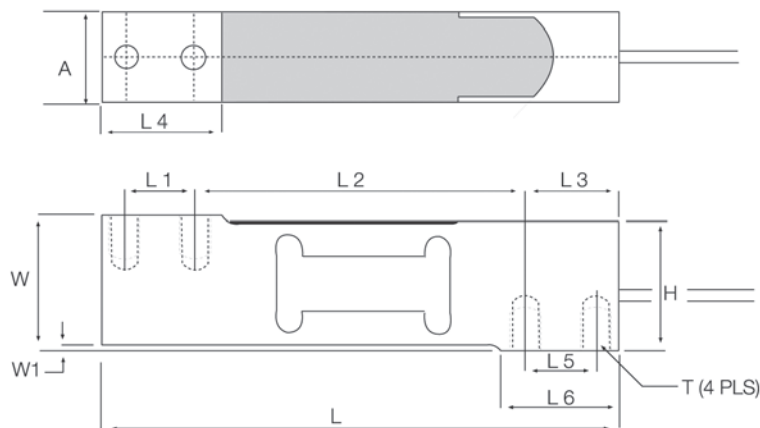


Order Information

Load Rating	Part #	Est. Weight	Price
1 kg	40955	1 lb	\$190.00

Dimensions

Rated Capacity	A	H	L	L1	L2	L3	L4	L5	L6	W	W1	T
kg/mm												
1	20.0	39.0	150.0	19.0	100.0	25.0	34.0	19.0	34.0	40.0	1.0	1/4-20 UNC



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RLSP4.....page 159

VPG® TEDEA-HUNTLEIGH®

1042.....page 313

HBK®

SP4M.....page 228

FLINTEC®

PC 42

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

350 (± 3) ohm

Input Resistance:

415 (± 15) ohm

Material/Finish:

Aluminum

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP66

Safe Overload:

150% full scale

Over-center loading point

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.02% full scale

Insulation Resistance:

2,000 megohm

Deflection at Capacity:

0.015 in

Cable Length:

10 ft

Cable Diameter:

0.200 in PVC jacket

Cable Color Code:

Green +Excitation

Black -Excitation

Red +Signal

White -Signal

Blue +Sense

Brown -Sense

Max Platform Size:

16 × 16 in

Warranty:

Two-year limited

Approvals:

NTEP 97-138

FM

SINGLE POINT
RL1040

Aluminum, NTEP Certified 1:5,000 Class III Single Cell, Potted and Unpotted, IP65/IP67



Picture is a representation of actual product.

Approvals

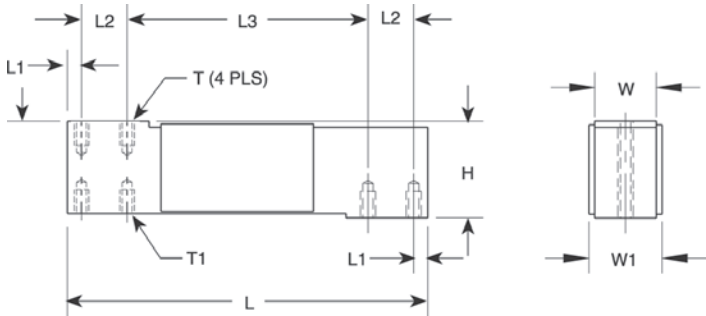


Order Information

Load Rating	Part #	Est. Weight	Price
Potted IP67			
7 kg	32860	2 lb	\$206.00
10 kg	32861	2 lb	\$206.00
15 kg	32862	2 lb	\$206.00
20 kg	32863	2 lb	\$206.00
30 kg	32864	2 lb	\$206.00
50 kg	32865	2 lb	\$206.00
100 kg	32866	2 lb	\$206.00
Unpotted IP65			
5 kg	32859	2 lb	\$206.00

Dimensions

Rated Capacity	H	L	L1	L2	L3	T	T1	W	W1
kg/mm									
5 to 100	40.0	150.0	5.95	19.1	100.0	1/4-20 UNC × 10 DP	1/4-28 UNF × 10 DP	25.4	29.4



Interchangeable Products

VPG® TEDEA-HUNTLEIGH®
1040 page 314
CARDINAL®
TSP

Specifications

- Full Scale Output:**
2.0 mV/V
- Output Resistance:**
350 (± 3) ohm
- Input Resistance:**
415 (± 5) ohm
- Material/Finish:**
Anodized aluminum
- Temperature:**
Compensated:
14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**
Potted, IP67
Unpotted, IP65
- Safe Overload:**
200% at center loading point, full scale
- Rated Excitation:**
5 to 10 VDC (15 V maximum)
- Combined Error:**
0.02% full scale
- Insulation Resistance:**
2,000 megohm
- Deflection at Capacity:**
0.4 mm
- Cable Length:**
10 ft
- Cable Diameter:**
0.200 in PVC jacket
- Cable Color Code:**
Green +Excitation
Black -Excitation
Red +Signal
White -Signal
Blue +Sense
Brown -Sense
- Max Platform Size:**
15.75 × 15.75 in
- Warranty:**
Two-year limited
- Approvals:**
NTEP 95-074
cFMus



Picture is a representation of actual product.

Approvals

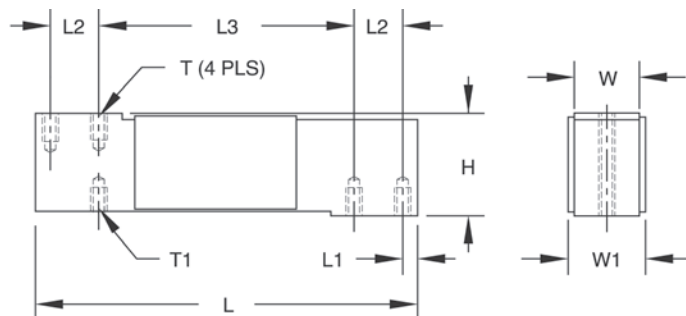


Order Information

Load Rating	Part #	Est. Weight	Price
15 kg	17544	3 lb	\$339.00
30 kg	17545	3 lb	\$339.00
50 kg	17546	3 lb	\$339.00
75 kg	17547	3 lb	\$339.00
100 kg	17548	3 lb	\$339.00
150 kg	36467	3 lb	\$339.00

Dimensions

Rated Capacity	H	L	L1	L2	L3	T	T1	W	W1
kg/mm									
15 to 150	40.0	150.0	6.0	19.1	100.0	1/4-20 UNC × 10 DP	1/4-28 UNF × 10 DP	25.4	29.4



Interchangeable Products

VPG® TEDEA-HUNTLEIGH®

1140 page 316

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

350 (± 5) ohm, nominal

Input Resistance:

383 (± 15) ohm

Material/Finish:

Stainless steel

Temperature:

Operating:

14 ° F to 104 ° F (-10 ° C to 40 ° C)

Compensated:

14 ° F to 104 ° F (-10 ° C to 40 ° C)

Seal Type:

Environmentally sealed, IP65

Safe Overload:

200% at center loading point, full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.02% full scale

Insulation Resistance:

2,000 megohm

Deflection at Capacity:

0.4 mm

Cable Length:

10 ft

Cable Diameter:

0.200 in PVC jacket

Cable Color Code:

Green +Excitation

Black -Excitation

Red +Signal

White -Signal

Blue +Sense

Brown -Sense

Max Platform Size:

15.75 × 15.75 in

Warranty:

Two-year limited

Approvals:

cFMus

SINGLE POINT
RL1380

Stainless Steel, Environmentally Sealed, NTEP Certified 1:3,000 Class III Single Cell, IP67



Picture is a representation of actual product.

Approvals

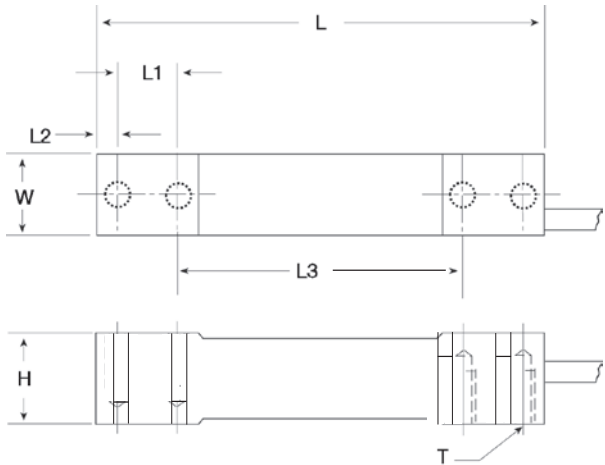


Order Information

Load Rating	Part #	Est. Weight	Price
7 kg	30783	2 lb	\$350.00
10 kg	30782	2 lb	\$350.00
15 kg	30781	2 lb	\$350.00
30 kg	30780	2 lb	\$350.00
60 kg	30779	2 lb	\$350.00

Dimensions

Rated Capacity	H	L	L1	L2	L3	T	W
kg/mm							
7 to 15	30.2	139.7	19.1	6.4	88.9	1/4-20 UNC	19.0
30 to 60	30.2	139.7	19.1	6.4	88.9	1/4-20 UNC	23.6



RICE LAKE
LOAD CELLS

Interchangeable Products

HBK®
PWSpage 231

Specifications

- Full Scale Output:**
2.0 mV/V
- Output Resistance:**
359 (± 10) ohm
- Input Resistance:**
390 (± 15) ohm
- Material/Finish:**
Stainless steel
- Temperature:**
Compensated:
14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**
Environmentally sealed, IP67
- Safe Overload:**
150% full scale
- Rated Excitation:**
5 to 10 VDC (15 V maximum)
- Combined Error:**
0.03% full scale
- Insulation Resistance:**
5,000 megohm
- Deflection at Capacity:**
<0.4 mm full scale
- Cable Length:**
10 ft
- Cable Diameter:**
0.190 in
Polyurethane jacket
- Cable Color Code:**
Green +Excitation
Black -Excitation
White +Signal
Red -Signal
Yellow Shield
- Max Platform Size:**
15.75 × 15.75 in
- Warranty:**
Two-year limited
- Approvals:**
NTEP 94-128
FM



Picture is a representation of actual product.

Approvals

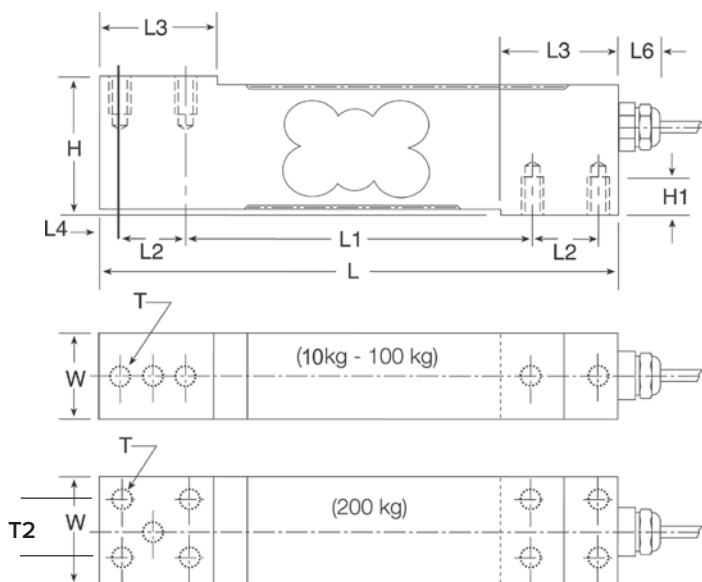


Order Information

Load Rating	Part #	Est. Weight	Price
NTEP Certified			
10 kg	41405	3 lb	\$328.00
15 kg	41233	3 lb	\$328.00
30 kg	41234	3 lb	\$328.00
50 kg	41235	3 lb	\$328.00
75 kg	41236	3 lb	\$328.00
Non-NTEP Certified			
100 kg	41237	3 lb	\$310.00
200 kg	41406	4 lb	\$477.00

Dimensions

Rated Capacity	H	H1	L	L1	L2	L3	L4	L6	W	T	T2
kg/mm											
10 to 100	40.0	10.0	150.0	100.0	19.0	32.0	6.0	20.0	25.4	1/4-20 UNC x 19.1 DP	N/A
200	40.0	10.0	150.0	100.0	19.0	32.0	6.0	20.0	38.1	1/4-20 UNC x 19.1 DP	25.4



Interchangeable Products

FLINTEC®
PC1.....page 215

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

330 (± 25) ohm

Input Resistance:

390 (± 20) ohm

Material/Finish:

Stainless steel

Temperature:

Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

200% full scale

Rated Excitation:

5 VDC (15 V maximum)

Combined Error:

0.02% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

10 ft

Cable Diameter:

0.196 in
Polyurethane jacket

Cable Color Code:

Green +Excitation
Black -Excitation
White +Signal
Red -Signal
Yellow Shield

Max Platform Size:

18 × 18 in

Warranty:

Two-year limited

Approvals:

NTEP 00-125
FM

SINGLE POINT
RL260FD

Fluid Damped, Stainless Steel, Environmentally Sealed, NTEP Certified Single Cell 1:3,000, IP68



Protective Cover

Picture is a representation of actual product.

Approvals

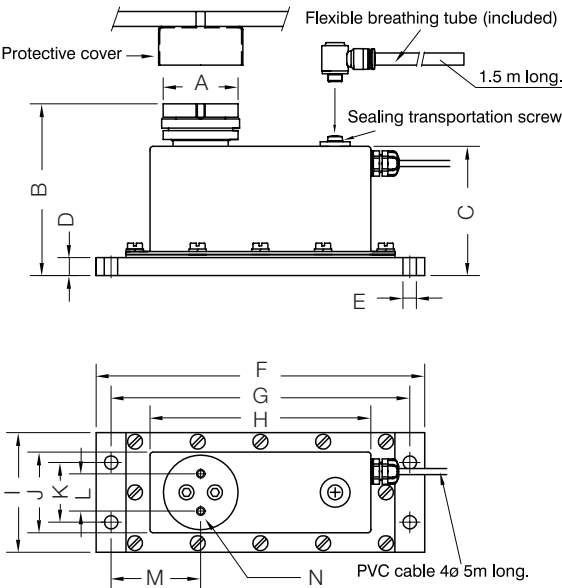


Order Information

Load Rating	Part #	Est. Weight	Price
2 kg	194928	8 lb	\$710.00
3 kg	199001	8 lb	\$710.00
5 kg	194929	8 lb	\$710.00
7 kg	194930	8 lb	\$710.00
10 kg	194932	8 lb	\$710.00
15 kg	194933	8 lb	\$710.00
20 kg	194934	8 lb	\$710.00
30 kg	194935	8 lb	\$710.00
50 kg	194936	16 lb	\$710.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	I	J	K	L	M	N
kg/mm														
2 to 50	50 dia	115.0	86.5	12.0	9.0	220.0	200.0	148.0	80.0	54.0	40.0	25.0	60.0	1/4-20 UNC



Interchangeable Products

VPG® TEDEA-HUNTLEIGH®

240* page 325

*5000d NTEP, 10ft cable

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

350 (± 3) ohm

Input Resistance:

400 (± 20) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP68

Safe Overload:

200% of full scale

Rated Excitation:

5 to 10 VDC

Combined Error:

0.017% full scale

Insulation Resistance:

> 5,000 megohm

Cable Length:

5 m

Cable Color Code:

Green +Excitation

Black -Excitation

Red +Signal

White -Signal

Blue +Sense

Yellow -Sense

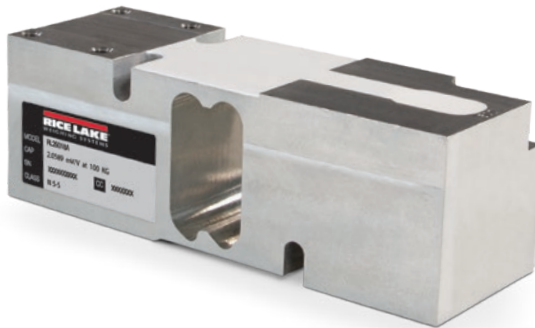
Warranty:

Two-year limited

Approvals:

NTEP 20-045

cFMus



Picture is a representation of actual product.

Approvals

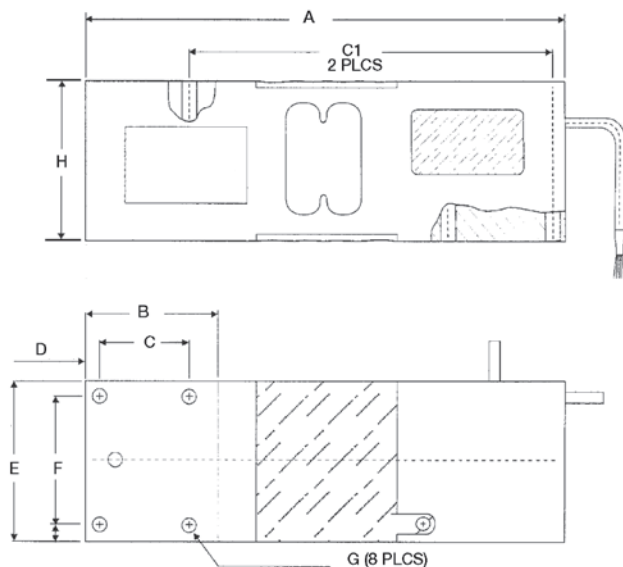


Order Information

Load Rating	Part #	Est. Weight	Price
50 kg	188682	5 lb	\$290.00
75 kg	188683	5 lb	\$290.00
100 kg	188684	5 lb	\$290.00
150 kg	188685	5 lb	\$290.00
200 kg	188686	5 lb	\$290.00
250 kg	188687	5 lb	\$290.00
300 kg	188688	5 lb	\$290.00
500 kg	188689	5 lb	\$290.00
635 kg	188690	5 lb	\$290.00

Dimensions

Rated Capacity	A	B	C	C1	D	E	F	G	H
kg/mm									
50 to 635	188.0	52.0	35.0	142.0	5.5	63.5	50.0	5/16-18 UNC	62.3



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS	
RLPWM16	page 160
RICE LAKE WEIGHING SYSTEMS	
RL1260	
VPG® TEDEA-HUNTLEIGH®	
1260	page 319

Specifications

Full Scale Output:	2.0 mV/V nominal
Output Resistance:	350 (± 3) ohm
Input Resistance:	415 (± 15) ohm
Material/Finish:	Anodized aluminum
Temperature:	Compensated: 14 °F to 104 °F (-10 °C to 40 °C) Operating: 0 °F to 150 °F (-18 °C to 65 °C)
Seal Type:	Environmentally sealed, IP67
Safe Overload:	150% of full scale
Rated Excitation:	5 to 10 VDC (15 V maximum)
Combined Error:	0.02% full scale
Insulation Resistance:	> 5,000 megohm
Deflection at Capacity:	0.3 to 0.5 mm
Cable Length:	10 ft
Cable Color Code:	Green +Excitation Black -Excitation Red +Signal White -Signal Blue +Sense Yellow -Sense
Warranty:	Two-year limited
Approvals:	NTEP 18-108 cFMus

SINGLE POINT
RL1218A

Aluminum, Environmentally Sealed, NTEP Certified 1:5,000 Class III Single Cell, IP67



Picture is a representation of actual product.

Approvals

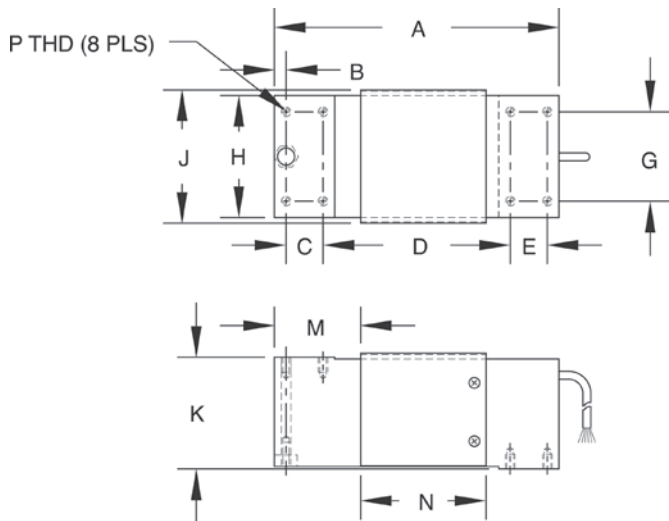


Order Information

Load Rating	Part #	Est. Weight	Price
50 kg	191096	5 lb	\$328.00
75 kg	191097	5 lb	\$328.00
100 kg	191098	5 lb	\$328.00
150 kg	191099	5 lb	\$328.00
200 kg	191100	5 lb	\$328.00
250 kg	191101	5 lb	\$328.00
300 kg	191102	5 lb	\$328.00
500 kg	191103	5 lb	\$328.00
635 kg	191104	5 lb	\$328.00
1,000 kg	191105	5 lb	\$328.00

Dimensions

Rated Capacity	A	B	C	D	E	G	H	J	K	M	N	P
kg/mm												
50 to 1,000	191.0	8.0	25.0	125.0	25.0	60.0	75.0	82.0	75.0	57.5	85.0	5/16-18 UNC x 15 DP



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RLPWM12

VPG® TEDEA-HUNTLEIGH®

1250 page 322

Specifications

Full Scale Output:

2.0 mV/V nominal

Output Resistance:

350 (± 3) ohm

Input Resistance:

415 (± 15) ohm

Material/Finish:

Anodized aluminum

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Rated Excitation:

5-10 VDC (15 V maximum)

Combined Error:

0.02% full scale

Insulation Resistance:

> 5,000 megohm

Deflection at Capacity:

0.4 mm

Cable Length:

10 ft

Cable Color Code:

Green +Excitation

Black -Excitation

Red +Signal

White -Signal

Blue +Sense

Yellow -Sense

Max Platform Size:

50 to 500 kg: 800 × 800 mm

635 to 1,000 kg: 600 × 600 mm

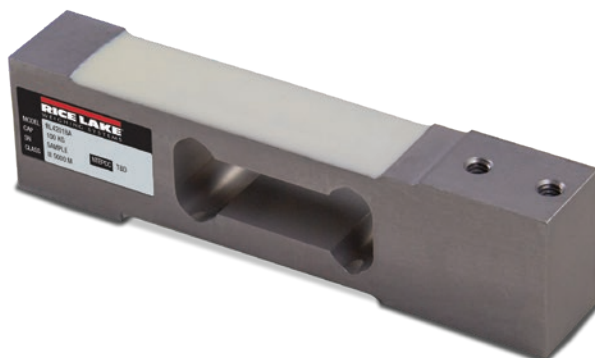
Warranty:

Two-year limited

Approvals:

NTEP 18-133

cFMus



Picture is a representation of actual product.

Approvals

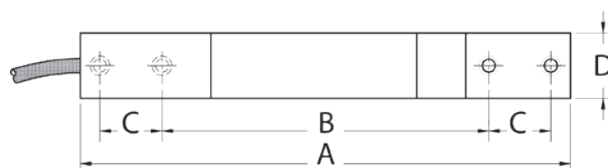
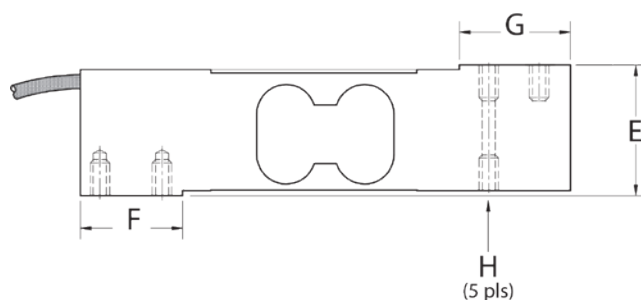


Order Information

Load Rating	Part #	Est. Weight	Price
3 kg	188672	2 lb	\$190.00
5 kg	188673	2 lb	\$190.00
7 kg	188674	2 lb	\$190.00
10 kg	188675	2 lb	\$190.00
15 kg	188676	2 lb	\$190.00
20 kg	188677	2 lb	\$190.00
30 kg	188678	2 lb	\$190.00
50 kg	188679	2 lb	\$190.00
75 kg	188680	2 lb	\$190.00
100 kg	188681	2 lb	\$190.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H
kg/mm								
3 to 30	150.0	100.0	19.0	20.0	40.0	31.2	34.0	1/4-20 UNC
50 to 100	150.0	100.0	19.0	25.4	40.0	31.2	34.0	1/4-20 UNC



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL1042.....page 161

RICE LAKE WEIGHING SYSTEMS

RLSP4.....page 159

VPG® TEDEA-HUNTLEIGH®

1042.....page 313

HBK®

SP4M*.....page 228

*Color code is different

Specifications

Full Scale Output:

2.0 mV/V \pm 10%

Output Resistance:

350 (\pm 3) ohm

Input Resistance:

400 (\pm 20) ohm

Material/Finish:

Aluminum

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP66

Safe Overload:

150% of full scale at center loading point

Rated Excitation:

10 VDC

Combined Error:

0.02% full scale

Insulation Resistance:

> 5,000 megohm

Deflection at Capacity:

0.3 to 0.5 mm

Cable Length:

10 ft

Cable Color Code:

Green +Excitation

Black -Excitation

Red +Signal

White -Signal

Blue +Sense

Yellow -Sense

Max Platform Size:

15.75 x 15.75 in max

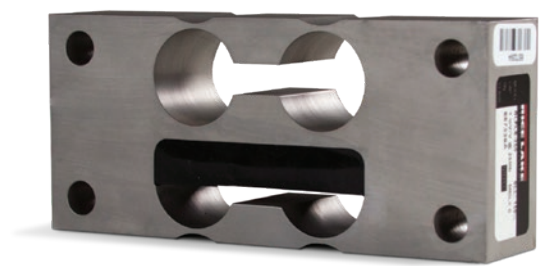
Warranty:

Two-year limited

Approvals:

NTEP 18-105

cFMus



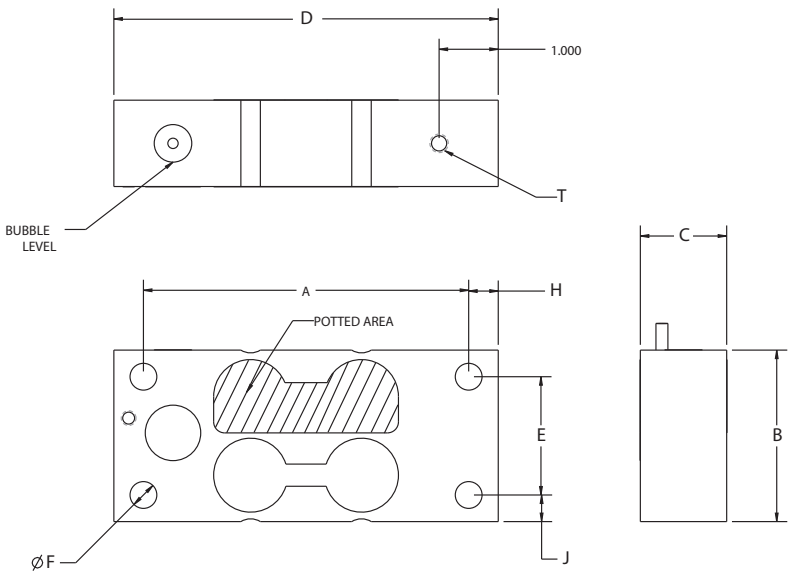
Picture is a representation of actual product.

Order Information

Load Rating	Part #	Est. Weight	Price
50 lb	125612	3 lb	\$650.00

Dimensions

Rated Capacity	A	B	C	D	E	F	H	J	T
lb/in									
50	5.50	2.90	0.74	6.50	2.00	0.50	0.50	0.45	5/16-18 UNC x 0.50

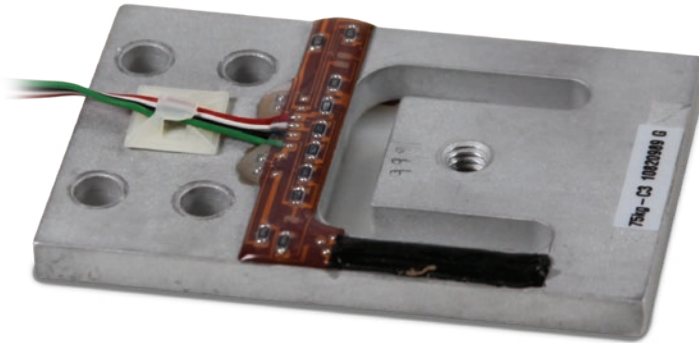


Interchangeable Products

AVERY WEIGH-TRONIX®
 FLS

Specifications

- Full Scale Output:** 1.0 (± 10%) mV/V
- Output Resistance:** 350 (± 3) ohm
- Input Resistance:** 385 (± 10) ohm
- Material/Finish:** Stainless steel
- Temperature:** Operating: 0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:** Environmentally sealed, IP67
- Safe Overload:** 150% full scale
- Rated Excitation:** 5 to 15 VDC
- Nonlinearity:** 0.02% full scale
- Hysteresis:** 0.02% full scale
- Insulation Resistance:** 5,000 megohm
- Cable Length:** 10 ft
- Cable Color Code:** Green +Excitation
Black -Excitation
Red +Signal
White -Signal
- Warranty:** Two-year limited



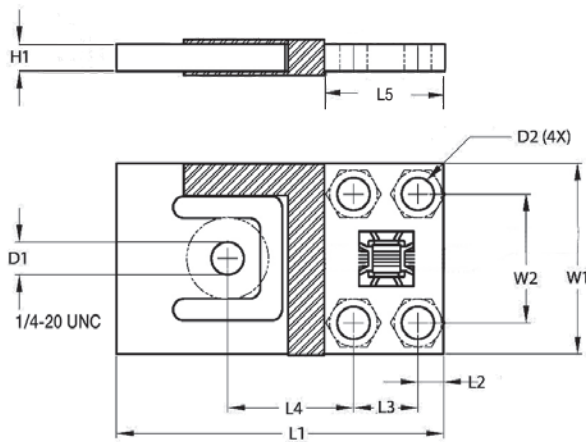
Picture is a representation of actual product.

Order Information

Load Rating	Part #	Est. Weight	Price
15 kg	100272	1 lb	\$87.00
37.5 kg	104645	1 lb	\$92.00
75 kg	100273	1 lb	\$97.00
150 kg	100274	1 lb	\$102.00

Dimensions

Rated Capacity	L1	L2	L3	L4	L5	W1	W2	H1	D1	D2
kg/mm										
15.0	70.0	4.9	14.0	28.0	23.7	39.0	27.8	4.1	7.6	5.1
37.5	76.2	6.0	15.0	29.3	27.0	44.5	30.0	4.8	7.6	6.6
75.0	84.4	6.4	15.0	34.0	27.7	54.8	30.0	6.4	7.6	6.6
150.0	107.3	7.8	22.9	45.9	38.4	69.9	44.5	7.9	9.1	8.1



Interchangeable Products

FLINTEC®

PB..... page 222

Specifications

Full Scale Output:

1.0 mV/V

Output Resistance:

1,000 (± 10) ohm

Input Resistance:

1,180 (± 50) ohm

Material/Finish:

Aluminum

Temperature:

Operating:
 0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP65

Safe Overload:

150% full scale

Rated Excitation:

5 to 15 VDC

Combined Error:

0.05% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

15 kg: 1.0 m
 37.5 kg, 75 kg, 150 kg: 1.5 m

Cable Color Code:

Green +Excitation
 Black -Excitation
 White +Signal
 Red -Signal

Warranty:

Two-year limited

TENSION LINK
RL2010

Stainless Steel, Environmentally Sealed, IP67



Picture is a representation of actual product.

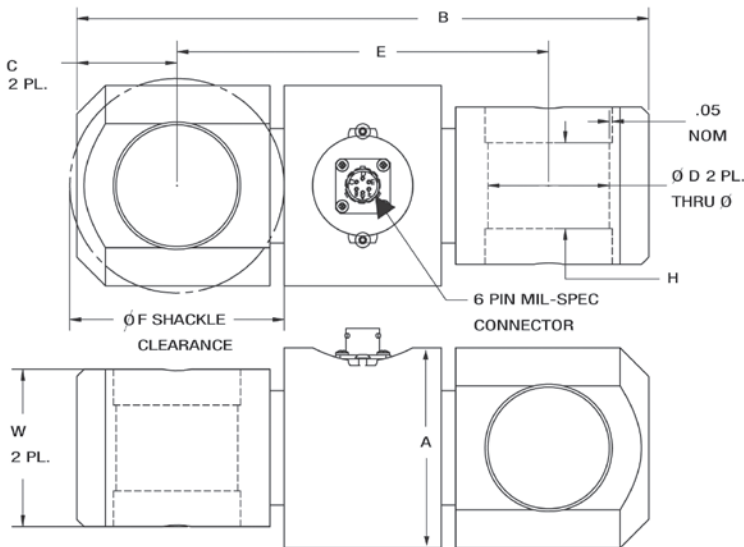
Order Information

Load Rating	Part #	Est. Weight	Price
5,000 lb	117731	5 lb	\$1,430.00
10,000 lb	117732	5 lb	\$1,430.00
25,000 lb	117733	8 lb	\$1,690.00
50,000 lb	117735	34 lb	\$2,915.00
75,000 lb	117736	34 lb	\$2,915.00
100,000 lb	117737	56 lb	\$3,127.00
150,000 lb	117738	56 lb	\$3,127.00
200,000 lb	117739	95 lb	\$5,565.00
250,000 lb	117740	117 lb	\$5,989.00
300,000 lb	117741	191 lb	\$8,427.00
500,000 lb	117742	191 lb	\$8,427.00
Replacement Parts			
40 ft load cell cable	187132		\$175.00

NOTE: Consult factory for shackles

Dimensions

Rated Capacity	A	B	C	ØD	E	ØF	W	H
lb/in								
5,000 to 10,000	2.00	6.50	1.00	1.05	4.50	2.38	1.37	0.75
25,000	2.75	8.00	1.38	1.55	5.25	2.88	2.00	1.00
50,000 to 75,000	3.25	14.00	2.50	2.31	9.00	5.00	3.00	1.75
100,000 to 150,000	4.00	16.00	2.88	2.88	10.25	6.25	4.00	2.00
200,000	6.00	18.00	3.25	3.38	11.50	6.50	4.75	2.38
250,000	6.50	20.00	3.75	3.88	12.50	7.50	5.00	2.75
300,000 to 500,000	7.50	24.00	4.50	4.31	15.00	9.50	5.40	3.00



Specifications

- Full Scale Output:**
3.0 (± 0.1%) mV/V
- Bridge Resistance:**
350 ohm, nominal
- Material/Finish:**
Stainless steel
- Temperature:**
Operating:
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**
Environmentally sealed, IP67
- Safe Overload:**
150% full scale
- Rated Excitation:**
5 to 10 VDC (15 V maximum)
- Linearity:**
0.05% full scale
- Repeatability:**
0.03% full scale
- Insulation Resistance:**
5,000 megohm
- Cable Length:**
40 ft
- Cable Diameter:**
0.25 in
Polyurethane jacket with connector
- Cable Color Code:**
Green +Excitation
Black -Excitation
White +Signal
Red -Signal
- Warranty:**
Two-year limited



Standard Features

- Customized for individual integrated solutions where it will be permanently installed to monitor loads and overloading protection. Machined from 17-4 stainless steel ensures safety, strength and corrosion resistance.

(Contact MSI for application consultation)

For most overhead weighing applications, traditional scales are an ideal solution. However, applications with limited to no headroom require specialty equipment beyond even reduced-height or low-profile crane scales.

One such solution is an MSI load pin sensor. A load pin sensor is a type of load cell that directly replaces clevis, pivot, normal shaft or equalizer pins. Load pin sensors are designed to be permanently installed, so they can continuously monitor vertical or horizontal tension. An integrated load pin provides load monitoring and overload protection without impacting headroom to promote safety and to prevent costly equipment damage.

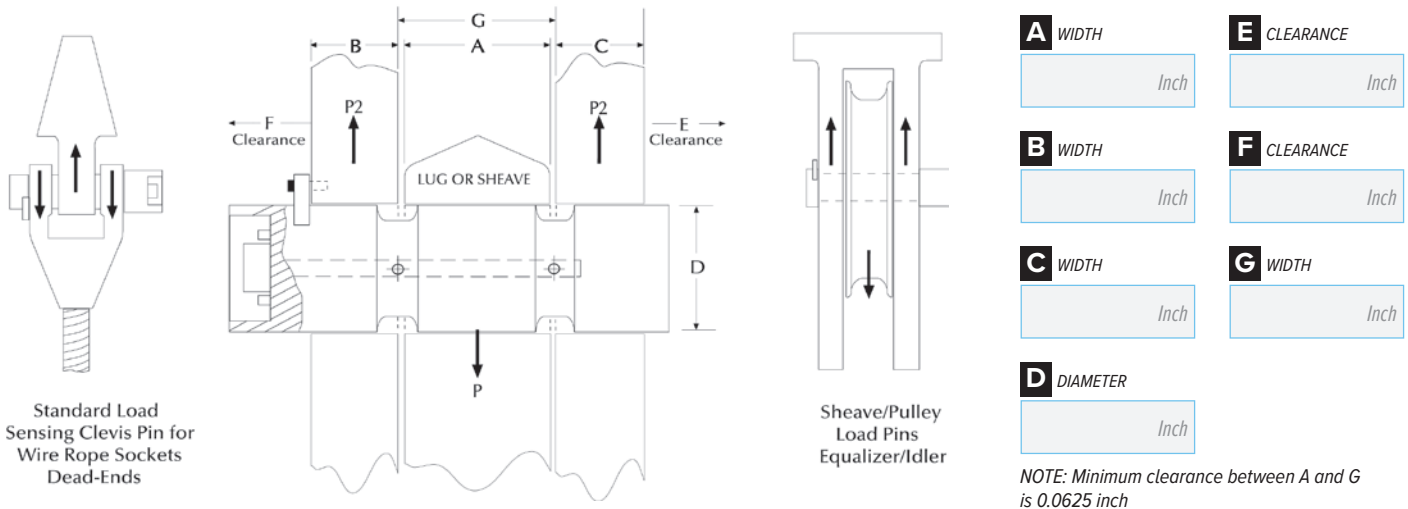
Rice Lake's industry leading engineers design and manufacture custom load pin sensors for any application. Every load pin is constructed from stainless steel for safety, strength (minimum 5:1) and corrosion resistance.

To receive a quote for a load pin sensor, complete the load pin questionnaire on page 174 or online at www.ricelake.com/questionnaires. For further assistance, contact an MSI overhead weighing specialist.

Load Pin Questionnaire

Company: Name:
Date: Phone: Email:

Load Pin Critical Dimensions



Load Pin Data

Lube port: ☐ Yes ☐ No No. of exits

Hoist capacity: tons

Part of wire rope:

Sensor capacity: tons

Safety factor: ☐ 3:1 ☐ 5:1 ☐ 7:1 ☐ 10:1

Application:

Accuracy requirement:

Temperature requirement:

Output requirement:

Material testing requirements:

Load vector orientation/alignment:
☐ ← ☐ → ☐ ↑ ☐ ↓

Cable Connections

☐ End-mounted cable:

☐ End-mounted connector (standard):

☐ Side-mounted cable:

☐ Side-mounted connector

☐ Recessed connector:

Sensor's cable length: feet

Comments:



Standard Features

- Integrates between a crane block and lifting equipment to provide force measurement for lifted items. This is an ideal solution for crane weighing and features a 7:1 safety factor for compliance with industrial and military safety requirements.

Options

(Contact MSI for application consultation)

- Top lifting eye or shackle with Crosby® (or equivalent) 360° thrust-bearing swivel hook

Specifications

Accuracy:

0.1% sensor accuracy

Rating/Material:

4340 steel

Full Scale Output:

0.8 mV/V

Output Resistance:

2,000 ohm

Input Resistance:

1,500 ohm

Connector Pin Out:

A: EX +
B: Sig +
C: Sig -
D: EX -

Part Number/Price

Part #	Description	Price
181907	2 K 7200 style load cell only	Consult
181908	5 K 7200 style load cell only	Consult
181909	10 K 7200 style load cell only	Consult
178093	25 K 7200 style load cell only	Consult
178094	50 K 7200 style load cell only	Consult
181910	100 K 7200 style load cell only	Consult

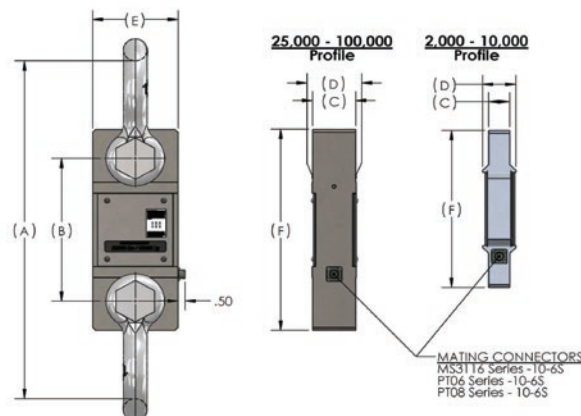
Contact factory for higher capacities

Options/Accessories

Part #	Description	Price
165978	Load cell to MSI-7001 interface cable, 6.5 ft	\$345.00
165979	Load cell to MSI-7001 interface cable, 10 ft	\$365.00
165990	Load cell to MSI-7001 interface cable, 25 ft	\$460.00
134505	Load cell mating cable to bare wires, 10 ft	\$210.00

Dimensions

Capacity (lbs)	P/N	Load Cell Material	(A) Headroom Loss	(B) C-C Length	(C) Lug Thk	(D) Body Thk	(E) Body Width	(F) Body Length	Lug Hole	Crosby Shackle
2,000	181907	Aluminum	13.50 in	8.00 in	0.99 in	2.13 in	4.50 in	9.75 in	0.78 in	3-1/4 T 151357
5,000	181908	Aluminum	13.50 in	8.00 in	0.99 in	2.13 in	4.50 in	9.75 in	0.78 in	3-1/7 T 151357
10,000	181909	Aluminum	16.13 in	8.50 in	1.35 in	2.13 in	5.37 in	10.75 in	1.05 in	6-1/2 T 151355
25,000	178093	Steel	22.39 in	9.26 in	2.24 in	2.24 in	4.80 in	12.76 in	1.67 in	17 T 141992
50,000	178094	Steel	25.74 in	9.76 in	2.74 in	2.81 in	5.43 in	13.76 in	2.05 in	25 T 151356
100,000	181910	Steel	28.49 in	10.74 in	3.09 in	3.09 in	6.86 in	15.74 in	2.30 in	55 T 146336



MSI Clamp-On

Load Cell



Part Number/Price

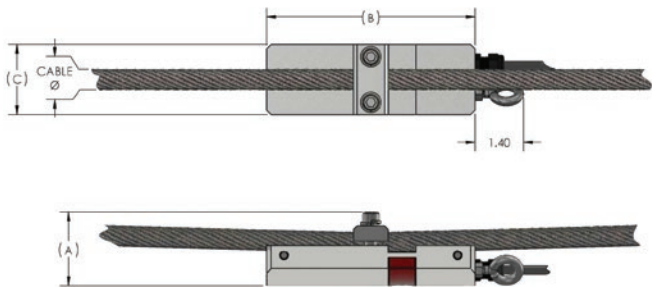
Part #	Description	Price
179080	Load Cell Assembly Clamp-On for 3/8 to 1/2 in wire rope	\$810.00
179082	Load Cell Assembly Clamp-On for 9/16 to 3/4 in wire rope	\$940.00
188816	Kit with SCT-2200 for 3/8 to 1/2 in wire rope	\$1,415.00
188817	Kit with SCT-2200 for 9/16 to 3/4 in wire rope	\$1,565.00

Larger diameter clamp ons available - call for pricing

Dimensions

Cable Range	Part #	A	B	C
3/8 to 1/2	179080	Cable + 1.70	6.00	2.00
9/16 to 3/4	179082	Cable + 1.67	6.00	2.00

*8mm cable can be used with PN 179080



Standard Features

- A durable solution for measuring wire rope tension and preventing overloads for cranes and hoists. Available in two envelopes for accommodating the most common wire ropes. With the SCT-2000, weight-based setpoints can provide the operator alerts and safety shut-offs based on unsafe load conditions.

Options

(Contact MSI for application consultation)

- Custom sizes available on request
- Pair with an SCT transmitter for basic safety functions

Specifications

Rating/Material:

4340 steel, zinc plated
IP68

Output Resistance:

350 ohm

System Accuracy of Calibrated

Capacity:

3 to 5%

Cable Length:

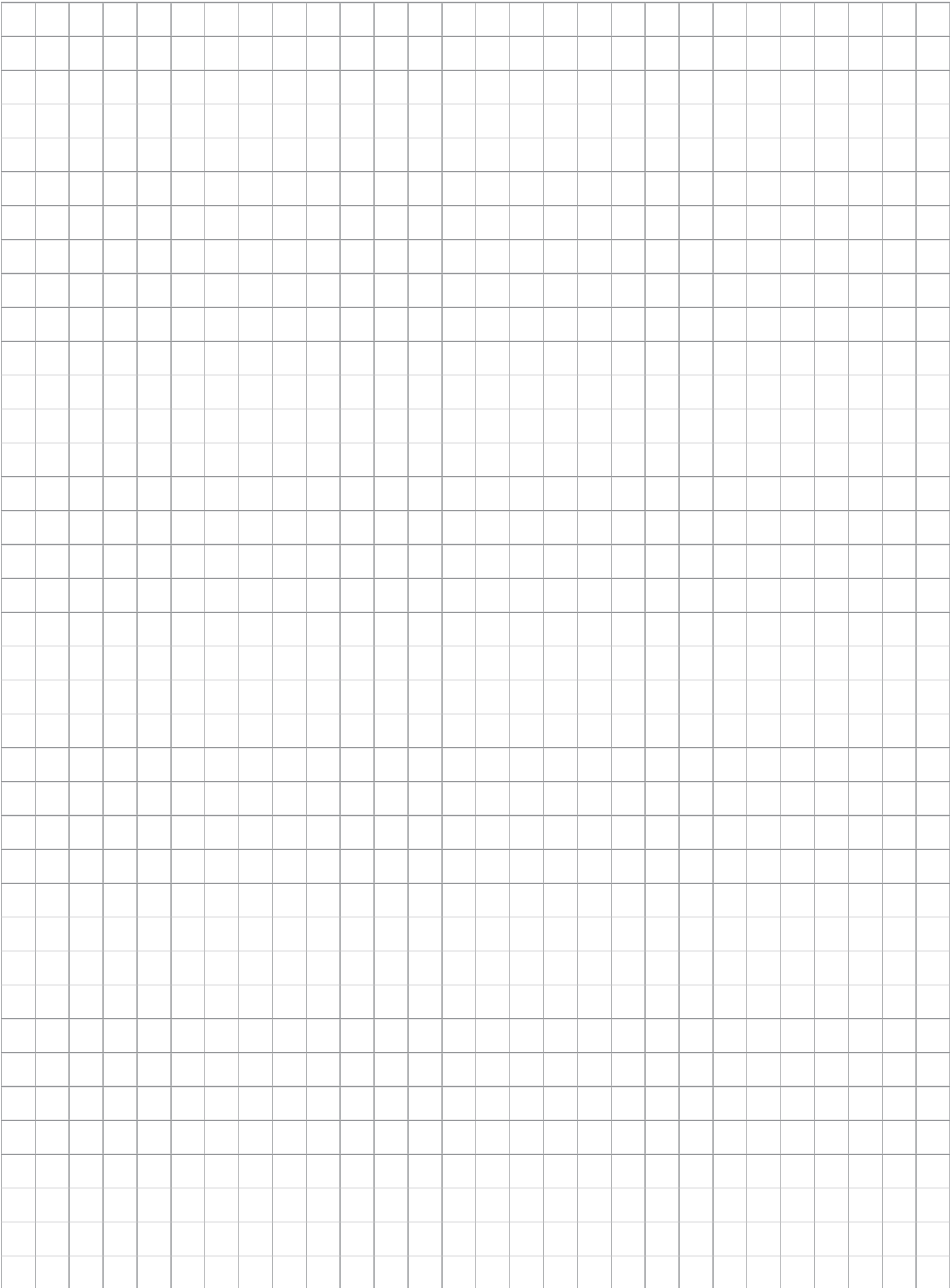
20 ft integral cable with blunt end termination

Cable Color Code:

Red +Excitation
Black -Excitation
Green +Signal
White -Signal



Optional SCT-2200 transmitter



This image shows a full page of blank graph paper. The grid consists of thin, light gray horizontal and vertical lines that intersect to form small squares across the entire surface. There are no margins, text, or other markings on the paper.

COMPRESSION CANISTERS

Page 180

C2P1, ALLOY STEEL



Single-column design with low deflection and trouble-free operation. High-alloy steel and epoxy coated for use in harsh environments. Compact and rugged. NTEP Certified capacities range from 20,000 to 200,000 lb; non-NTEP Certified capacity of 300,000 lb. Complete with 10 or 35 ft of load cell cable.



Page 181

C3P1, ALLOY STEEL



Environmentally protected, single-column design provides low deflection and trouble-free operation. Compact and rugged high-alloy steel. Epoxy coated for corrosion resistance. Capacities range from 500 to 10,000 lb. Complete with 35 ft of load cell cable.



TENSION CANISTERS

Page 182

T2P1, ALLOY STEEL



Single-column, environmentally protected design provides low deflection and trouble-free operation. High-alloy steel and epoxy coated construction yields reliable performance in harsh environments. Designed for high-capacity tension applications. Capacities of 20,000 and 50,000 lb. Complete with 35 ft of load cell cable.



Page 183

T3P1, ALLOY STEEL



Features low deflection and trouble-free operation. Single-column, environmentally protected design with high-alloy steel and epoxy-coated construction for optimal performance in harsh environments. Designed for high-capacity tension operations. Capacities of 500 and 10,000 lb. Complete with 35 ft of load cell cable.





Picture is a representation of actual product.

Approvals

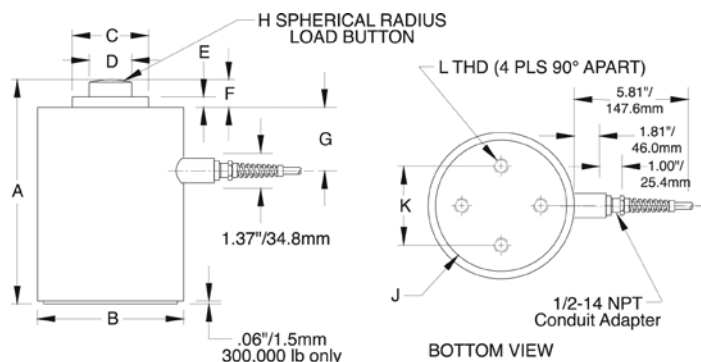


Order Information

Load Rating	Part #	Est. Weight	Price
NTEP Certified, 10 ft Cables			
20,000 lb	21625	25 lb	\$3,595.00
50,000 lb	21626	25 lb	\$3,495.00
100,000 lb	21627	50 lb	\$3,695.00
200,000 lb	21628	110 lb	\$3,995.00
NTEP Certified, 35 ft Cables			
20,000 lb	21630	25 lb	\$3,695.00
50,000 lb	21632	25 lb	\$3,595.00
100,000 lb	21633	50 lb	\$3,795.00
200,000 lb	21634	110 lb	\$4,195.00
Non-NTEP Certified, 10 ft Cables			
300,000 lb	17670	180 lb	\$8,095.00
Non-NTEP Certified, 35 ft Cables			
300,000 lb	17671	190 lb	\$8,195.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	J	K	L
lb/in											
20,000 to 50,000	7.50	4.50	2.25	1.25	0.50	0.75	2.50	6.00	—	2.38	3/8-24 UNF × 3/8 DP
100,000	9.13	6.00	3.13	1.75	0.63	1.06	2.50	12.00	—	4.00	1/2-20 UNF × 3/4 DP
200,000	11.63	8.00	4.50	2.50	0.63	1.06	3.50	12.00	—	5.50	5/8-18 UNF × 1 DP
300,000	14.00	10.00	5.00	3.00	0.75	1.31	4.31	15.00	8.00	5.50	3/4-16 UNF × 1 1/4 DP



Interchangeable Products

FAIRBANKS®

3-38065-X, 3-38066-X

STREETER RICHARDSON®

2011611, 2011612

STREETER RICHARDSON

**2011613, 2011614,
2011617**

METTLER TOLEDO®

10049200A, 10014900A

METTLER TOLEDO

10011900A, 10049300A

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

350 (± 3.5) ohm

Input Resistance:

350 (± 3.5) ohm

Material/Finish:

High-alloy steel, epoxy coated

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

NEMA Type 6 Environmentally sealed, IP67

Safe Overload:

150% full scale

Rated Excitation:

5 to 20 VDC

Nonlinearity:

0.03% full scale

Hysteresis:

0.02% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:

20,000 lb: 0.0075 in

30,000 lb: 0.0075 in

50,000 lb: 0.0065 in

100,000 lb: 0.0075 in

200,000 lb: 0.0070 in

300,000 lb: 0.012 in

Cable Length:

10 ft

35 ft

Cable Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

Yellow Shield

Warranty:

Three-year limited

Approvals:

NTEP

FM



Picture is a representation of actual product.

Approvals



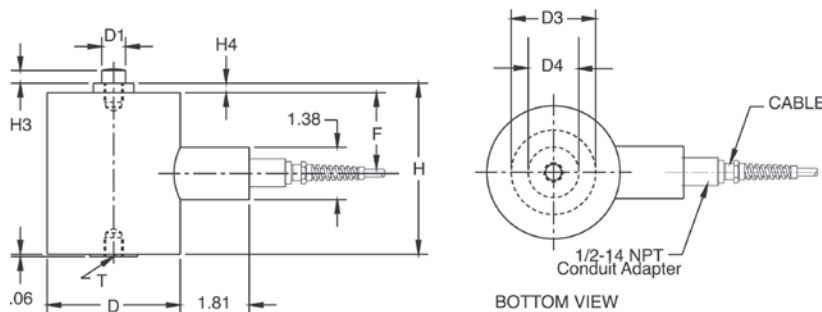
Order Information

Load Rating	Part #	Est. Weight	Price
500 lb	17672	10 lb	\$3,595.00
1,000 lb	17673	10 lb	\$3,595.00
2,000 lb	17674	10 lb	\$3,595.00
3,000 lb	17675	10 lb	\$3,595.00
5,000 lb	17676	15 lb	\$3,695.00
10,000 lb	17677	15 lb	\$3,695.00

Dimensions

Rated Capacity	D	D1	D3	D4	F	H	H3	H4	L	T
lb/in										
500 to 3,000	3.50	0.62	1.25	—	2.25	4.56	0.38	0.25	—	1/2-20 UNF × 0.50 DP
5,000 to 10,000	3.50	1.06	2.50	1.75	2.66	5.94	0.62	0.38	0.50	1-14 UNS × 1.25 DP

HOLES CAN BE DRILLED WITHIN THIS AREA TO RECEIVE LOCKING SCREWS. MAX. DEPTH OF HOLES IS "L" DIM.



Interchangeable Products

FAIRBANKS®

3-38054-X

METTLER TOLEDO®

1004400A, KN713700

METTLER TOLEDO

KB200570, 10049100A

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

350 (± 3.5) ohm

Input Resistance:

350 (± 3.5) ohm

Material/Finish:

High-alloy steel, epoxy coated

Temperature:

Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

NEMA Type 6 Environmentally sealed, IP67

Safe Overload:

150% full scale

Rated Excitation:

5 to 20 VDC

Nonlinearity:

0.05% full scale

Hysteresis:

500 lb: 0.05% full scale
1,000 to 10,000 lb: 0.02% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:

500 lb: 0.007 in
1,000 lb: 0.006 in
2,000 lb: 0.005 in
3,000 lb: 0.005 in
5,000 lb: 0.007 in
10,000 lb: 0.005 in

Cable Length:

35 ft

Cable Color Code:

Green +Excitation
Black -Excitation
White +Signal
Red -Signal
Yellow Shield

Warranty:

Three-year limited

Approvals:

FM



Picture is a representation of actual product.

Approvals

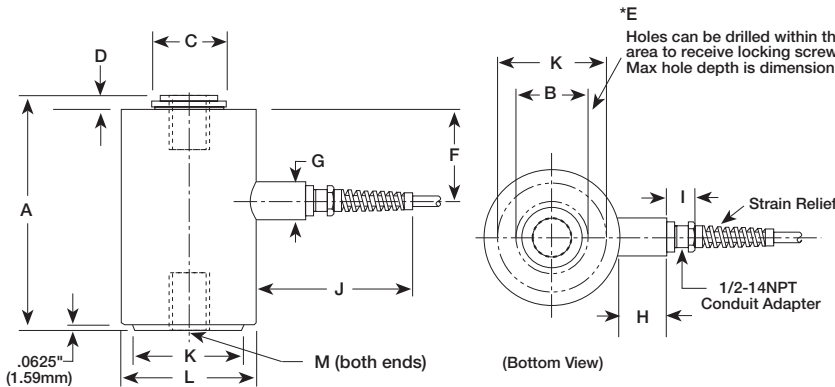


Order Information

Load Rating	Part #	Est. Weight	Price
20,000 lb	17660	30 lb	\$3,695.00
50,000 lb	17661	65 lb	\$3,895.00

Dimensions

Rated Capacity lb/in	A	B	C	D	E	F	G	H	I	J	K	L	M
20,000	8.50	2.63	2.75	0.50	1.00	3.38	1.38	1.81	1.00	5.81	4.00	5.00	1 1/2-12 UNF × 2 DP
50,000	11.44	3.75	4.00	0.63	1.00	5.00	1.38	1.81	1.00	5.81	5.75	6.50	2-12 UNF × 2.63 DP



Interchangeable Products

FAIRBANKS®

657090, 657091

STREETER RICHARDSON®

2011711, 2011712

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

350 (± 3.5) ohm

Input Resistance:

350 (± 3.5) ohm

Material/Finish:

High-alloy steel, epoxy coated

Temperature:

Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Rated Excitation:

5 to 20 VDC

Combined Error:

± 0.03% full scale

Repeatability:

0.02% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:

20,000 lb: 0.0075 in
50,000 lb: 0.0100 in

Cable Length:

35 ft

Cable Color Code:

Green +Excitation
Black -Excitation
White +Signal
Red -Signal
Yellow Shield

Warranty:

Three-year limited

Approvals:

FM



Picture is a representation of actual product.

Approvals

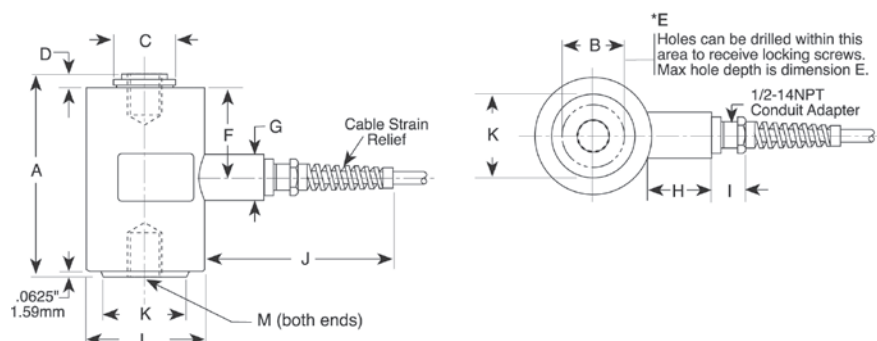


Order Information

Load Rating	Part #	Est. Weight	Price
500 lb	17654	10 lb	\$3,595.00
1,000 lb	17655	10 lb	\$3,595.00
2,000 lb	17656	10 lb	\$3,595.00
3,000 lb	17657	10 lb	\$3,595.00
5,000 lb	17658	15 lb	\$3,695.00
10,000 lb	17659	15 lb	\$3,695.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	I	J	K	L	M
lb/in													
500 to 3,000	4.56	—	1.06	0.25	—	2.25	1.38	1.81	1.00	5.81	1.25	3.50	1/2-20 UNF × 0.5 DP
5,000 to 10,000	5.93	1.75	1.87	0.38	0.50	2.66	1.38	1.81	1.00	5.81	2.50	3.50	1-14 UNS × 1.25 DP



Interchangeable Products

FAIRBANKS®

3-39897-X, 3-40766-X

STREETER RICHARDSON®

20117XX

METTLER TOLEDO®

10048X00A, KN75066

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

350 ohm (± 3.5)

Input Resistance:

350 ohm (± 3.5)

Material/Finish:

High-alloy steel, epoxy coated

Temperature:

Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Rated Excitation:

5 to 20 VDC

Nonlinearity:

0.05% full scale

Hysteresis:

500 lb: 0.05% full scale
1,000 to 10,000 lb: 0.02% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:

500 lb: 0.007 in
1,000 lb: 0.006 in
2,000 lb: 0.005 in
3,000 lb: 0.005 in
5,000 lb: 0.007 in
10,000 lb: 0.005 in

Cable Length:

35 ft

Cable Color Code:

Green +Excitation
Black -Excitation
White +Signal
Red -Signal
Yellow Shield

Warranty:

Three-year limited

Approvals:

FM

VP6® BLH®

S-BEAMS

Page 187

STC, LOW-CAPACITY, ALLOY STEEL



Ideally suited for batching and filling, conveyor and hopper/tank weighing. Nickel-plated, high-alloy steel construction. Capacities range from 50 to 200 lb. Complete with 20 ft of load cell cable.



Page 188

STC, ALLOY STEEL



Nickel-plated, alloy steel construction. Suited for batching, filling and hopper/tank weighing applications. Capacities range from 250 to 40,000 lb. Comes with 20 ft of load cell cable, and 30 ft of cable for 3,000, 5,000 and 20,000 lb capacities.



Page 189

STC SS, STAINLESS STEEL



Industrial S-beam in a protective stainless steel construction. Ideal for tension applications. Capacities range from 250 to 10,000 lb. Provided with a standard 20 ft of load cell cable.



Page 190

STC-HSS, STAINLESS STEEL



Features upgraded protection to the standard environmentally sealed S-beam. Ideal for dry, dirty suspended tank, hopper and mechanical replacement applications. Provides a mid-range solution. Available in capacities ranging from 500 lb to 10,000 lb. Each unit includes 20 ft of standard load cell cable.

SINGLE-ENDED BEAMS

Page 191

SQB, ALLOY STEEL



Single-ended beam designed for low-profile scales and platform, hopper and tank weighing applications. NTEP Certified cells in capacities from 1,000 to 10,000 lb. Non-NTEP Certified cells in 500, 15,000 and 20,000 lb capacities. Complete with 20 ft of load cell cable.



Page 192

SQB-HSS, STAINLESS STEEL



A stainless steel, welded-seal, single-ended beam load cell with exceptional performance and reliability. Suitable for hostile environment applications, such as food and chemical processing. Designed for single or multiple load cell installations and easy adaptation of mounting hardware. Capacities range from 1,000 to 10,000 lb. Complete with 20 ft of load cell cable.



Page 193

MBB, ALLOY STEEL



Ultra-small load cell designed for bench, platform, tank and conveyor weighing applications. Nickel-plated and environmentally protected with a stainless steel side plate. Capacities range from 50 to 250 lb. Complete with 5 ft of load cell cable.



SINGLE-ENDED BEAMS

Page 194

SEB, ALLOY STEEL



Designed for various scale and process weighing applications, this single-ended beam is manufactured from high-alloy steel and nickel-plated to ensure an IP67 rating. OIML approved and metric envelope capacities range from 500 kg to 2.5 t. Comes with 6 m of standard load cell cable.



DOUBLE-ENDED BEAMS

Page 195

DSR, ALLOY STEEL



Double-ended beam with center loading. Designed for tank, hopper and silo applications. Capacities range from 1,000 to 75,000 lb. Complete with 25 ft of load cell cable.



Page 196

CLB, ALLOY STEEL



An alloy steel, nickel-plated, double-ended beam ideal for applications in truck, track, tank and hopper applications. Center-loaded design and compatible with MVS and TSA mounting assemblies. Available in capacities ranging from 20,000 to 125,000 lb. Provided with 25 ft of load cell cable.



SINGLE POINTS

Page 197

LPS, ALUMINUM



Most suitable for mass production operations. Constructed of anodized aluminum and fully potted IP65 levels, providing excellent protection against moisture ingress. Available in NTEP capacities ranging from 3 to 20 kg, and non-NTEP capacities ranging from 10 to 100 kg. Comes with 16.5 in of cable for 3 to 35 kg capacity, 14 in for 60 kg capacity and 6.5 ft for 100 kg capacity.



Page 198

LOC, ALUMINUM, HEAVY CAPACITY



Low-profile, off-center loading load cell. Designed for direct mounting of a weighing platform and hanging scales. Long-term stability and durability are maintained. Capacities range from 100 to 500 kg. Complete with 3 m of load cell cable.



COMPRESSION CANISTERS

Page 199

LCD, ALLOY STEEL



Environmentally protected, low-profile compression disk. 5,000 lb and 10,000 lb models can also be used in tension-loading applications. The shear web design provides excellent performance and a low-profile feature makes it ideal for applications where height is critical. Capacities range from 5,000 to 100,000 lb. Complete with 50 ft of load cell cable.





Picture is a representation of actual product.

Approvals

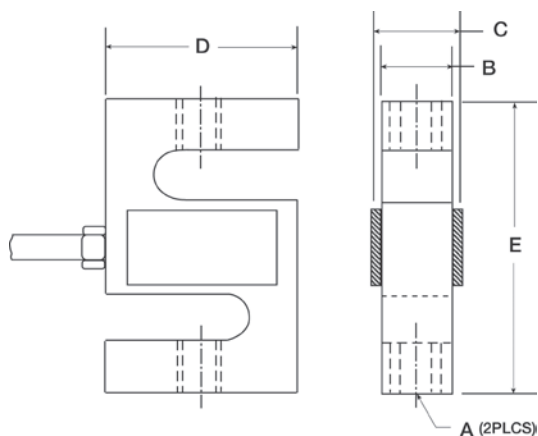


Order Information

Load Rating	Part #	Est. Weight	Price
50 lb	30044	2 lb	\$315.00
100 lb	30045	2 lb	\$315.00
150 lb	30046	2 lb	\$315.00
200 lb	35787	2 lb	\$315.00

Dimensions

Rated Capacity	A	B	C	D	E
lb/in					
50 to 200	1/4-28 UNF	0.50	1.05	2.00	2.50



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS
RL20000I..... page 94

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS
ITCM-Isolated Tension Cell Mount.....page 34

Specifications

Full Scale Output:
 3.0 mV/V (50 lb capacity, 2.0 mV/V)

Output Resistance:
 350 (± 3) ohm

Input Resistance:
 385 (± 5) ohm

Material/Finish:
 High-alloy steel, nickel plated

Temperature:
 Operating:
 0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:
 Environmentally sealed, IP67

Safe Overload:
 150% full scale

Rated Excitation:
 5 to 15 VDC

Nonlinearity:
 0.03% full scale

Hysteresis:
 0.02% full scale

Insulation Resistance:
 5,000 megohm

Cable Length:
 20 ft

Cable Diameter:
 0.200 in
 Polyurethane jacket

Cable Color Code:
 Red +Excitation
 Black -Excitation
 Green +Signal
 White -Signal

Warranty:
 One-year limited

Approvals:
 cFMus

S-BEAM STC

Alloy Steel, Environmentally Sealed, NTEP Certified 1:5,000 III/1:10,000 IIIL Single Cell, IP67

VPG® CELTRON®



Picture is a representation of actual product

Approvals



Order Information

Load Rating	Part #	Est. Weight	Price
NTEP Certified			
250 lb	30047	2 lb	\$310.00
500 lb	30051	2 lb	\$310.00
750 lb	30054	2 lb	\$310.00
1,000 lb	30067	2 lb	\$310.00
1,500 lb	30069	2 lb	\$310.00
2,000 lb	30072	3 lb	\$310.00
2,500 lb	30073	3 lb	\$310.00
3,000 lb	30074	3 lb	\$330.00
5,000 lb	30076	3 lb	\$450.00
10,000 lb	30077	5 lb	\$450.00
15,000 lb	30078	9 lb	\$710.00
20,000 lb	30079	17 lb	\$975.00
Non-NTEP Certified			
40,000 lb	46674	39 lb	\$1,825.00

Special Load Cells

Load Rating	Part #	Est. Weight	Price
30 ft Cable Matched Outputs			
3,000 lb	67882	3 lb	\$330.00
5,000 lb	67881	4 lb	\$550.00
20,000 lb	67883	17 lb	\$1,015.00

Dimensions

Rated Capacity	A	B	C	D	E
lb/in					
250	3/8-24 UNF	0.75	0.50	2.00	3.00
500 to 1,500	1/2-20 UNF	1.00	0.75	2.00	3.00
2,000 to 3,000	1/2-20 UNF	1.25	1.00	2.00	3.00
5,000	3/4-16 UNF	1.25	1.00	3.00	4.25
10,000	3/4-16 UNF	1.25	1.00	3.50	4.75
15,000	1-14 UNS	1.50	1.25	4.00	5.50
20,000	1 1/4-12 UNF	2.19	2.00	5.00	7.00
40,000	1 1/2-12 UNF	2.75	2.50	6.00	10.00

Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL20001Ipage 97

VPG® SENSORTRONICS®

60001.....page 275

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

ITCM-Isolated
Tension Cell Mount.....page 34

Specifications

Full Scale Output:

3.0 mV/V nominal

Output Resistance:

350 (± 3) ohm

Input Resistance:

385 (± 5) ohm

Material/Finish:

High-alloy steel, nickel plated

Temperature:

Compensated:
14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Combined Error:

0.02% full scale

Rated Excitation:

5 to 15 VDC

Non-repeatability:

0.01% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

20 ft

Cable Diameter:

250 to 20,000 lb: 0.200 in
40,000 lb: 0.305 in
Polyurethane jacket

Cable Color Code:

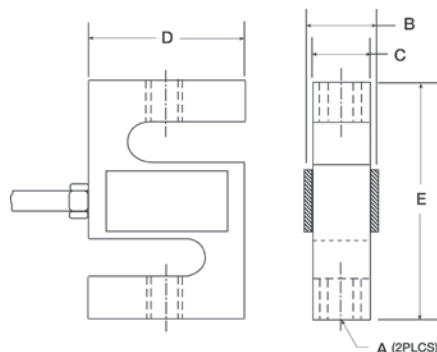
Red +Excitation
Black -Excitation
Green +Signal
White -Signal

Warranty:

One-year limited

Approvals:

NTEP
cFMus





Picture is a representation of actual product

Approvals

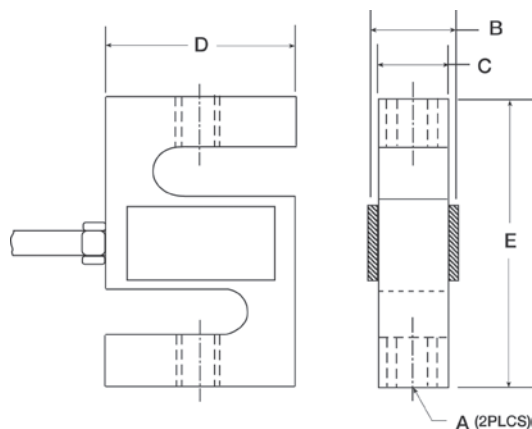


Order Information

Load Rating	Part #	Est. Weight	Price
250 lb	46659	2 lb	\$385.00
500 lb	46661	2 lb	\$385.00
750 lb	46662	2 lb	\$385.00
1,000 lb	46663	2 lb	\$385.00
1,500 lb	46664	2 lb	\$385.00
2,000 lb	46665	2 lb	\$385.00
2,500 lb	46666	3 lb	\$425.00
3,000 lb	46667	2 lb	\$425.00
5,000 lb	46668	4 lb	\$505.00
10,000 lb	46669	4 lb	\$505.00

Dimensions

Rated Capacity	A	B	C	D	E
lb/in					
250	3/8-24 UNF	0.75	0.50	2.00	3.00
500 to 1,500	1/2-20 UNF	1.00	0.75	2.00	3.00
2,000 to 3,000	1/2-20 UNF	1.25	1.00	2.00	3.00
5,000	3/4-16 UNF	1.25	1.00	3.00	4.25
10,000	3/4-16 UNF	1.25	1.00	3.50	4.25



Interchangeable Products

VPG® SENSORTRONICS®
60050page 276

Specifications

Full Scale Output:
3.0 mV/V nominal

Output Resistance:
350 (± 3) ohm

Input Resistance:
385 (± 5) ohm

Material/Finish:
Stainless steel

Temperature:
Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:
Environmentally sealed, IP67

Safe Overload:
150% full scale

Rated Excitation:
5 to 15 VDC

Nonlinearity:
0.03% full scale

Hysteresis:
0.02% full scale

Insulation Resistance:
5,000 megohm

Cable Length:
20 ft

Cable Diameter:
0.200 in
Polyurethane jacket

Cable Color Code:
Red +Excitation
Black -Excitation
Green +Signal
White -Signal

Warranty:
One-year limited

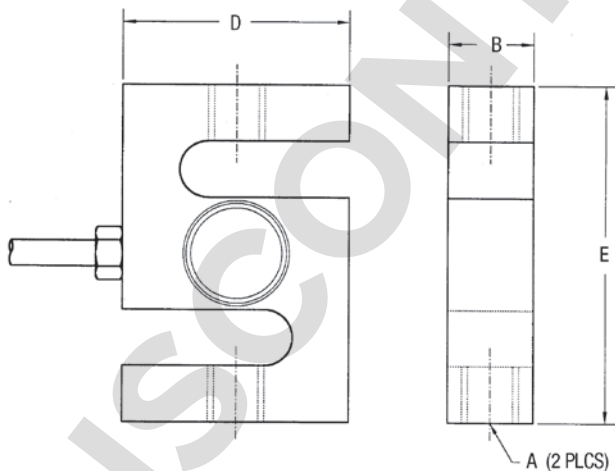
Approvals:
cFMus



Picture is a representation of actual product

Dimensions

Rated Capacity	A	B	D	E
lb/in				
500 to 3,000	1/2-20 UNF	1.00	2.00	2.97
5,000 to 10,000	3/4-16 UNF	1.00	3.00	4.25



Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

ITCM-Isolated

Tension Cell Mount.....page 34

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

350 (± 3) ohm

Input Resistance:

385 (± 5) ohm

Material/Finish:

Stainless steel

Temperature:

Operating: 0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Welded-seal, IP67

Safe Overload:

150% full scale

Rated Excitation:

5 to 15 VDC

Combined Error:

0.05%

Insulation Resistance:

5,000 megohm

Cable Length:

20 ft

Cable Diameter:

0.200 in

Polyurethane jacket

Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

Warranty:

One-year limited



Picture is a representation of actual product

Approvals



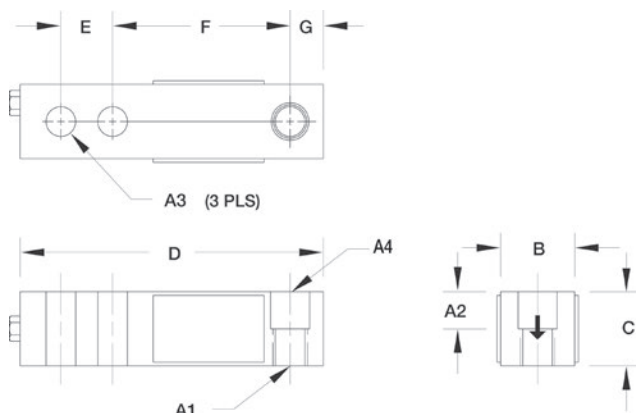
Order Information

Load Rating	Part #	Est. Weight	Price
NTEP Certified			
1,000 lb	30106	3 lb	\$215.00
2,000 lb	30109	3 lb	\$215.00
2,500 lb	30112	3 lb	\$215.00
3,000 lb	30113	3 lb	\$215.00
4,000 lb	30270	3 lb	\$215.00
5,000 lb SE	30114	3 lb	\$215.00
5,000 lb LE	30115	5 lb	\$365.00
10,000 lb	30117	5 lb	\$365.00
Non-NTEP Certified			
500 lb	30101	3 lb	\$215.00
15,000 lb	30118	9 lb	\$475.00
20,000 lb	30121	10 lb	\$495.00

SE=small envelope; LE=large envelope

Dimensions

Rated Capacity	A4	A2	A3	A1	B	C	D	E	F	G
lb/in										
500	0.53 dia	0.50	0.53	1/2-20 UNF	1.25	1.00	5.12	1.00	3.00	0.50
1,000 to 5,000 SE	0.53 dia	0.62	0.53	1/2-20 UNF	1.25	1.25	5.12	1.00	3.00	0.50
5,000 LE to 10,000	0.78 dia	0.75	0.78	3/4-16 UNF	1.50	1.50	6.75	1.50	3.75	0.75
15,000 to 20,000	1.03 dia	1.00	1.03	1-14 UNS	2.00	2.00	8.88	2.00	4.88	1.00



Interchangeable Products

VPG® SENSORTRONICS®
65023A.....page 281

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS
RL50210TA.....page 37
RICE LAKE WEIGHING SYSTEMS
RL1800 Series.....page 48

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

350 (± 3) ohm

Input Resistance:

385 (± 5) ohm

Material/Finish:

High-alloy steel, nickel plated

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 15 VDC

Combined Error:

0.02% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:

500 to 1,000 lb: 0.013 in

2,000 to 3,000 lb: 0.015 in

4,000 to 5,000 lb: 0.025 in

10,000 lb: 0.035 in

Cable Length:

20 ft

Cable Diameter:

0.200 in

Polyurethane jacket

Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

Warranty:

One-year limited

Approvals:

NTEP

cFMus

SQB-HSS

Stainless Steel, Welded Seal, NTEP Certified 1:5,000 Class III Multiple Cell, IP67



Picture is a representation of actual product

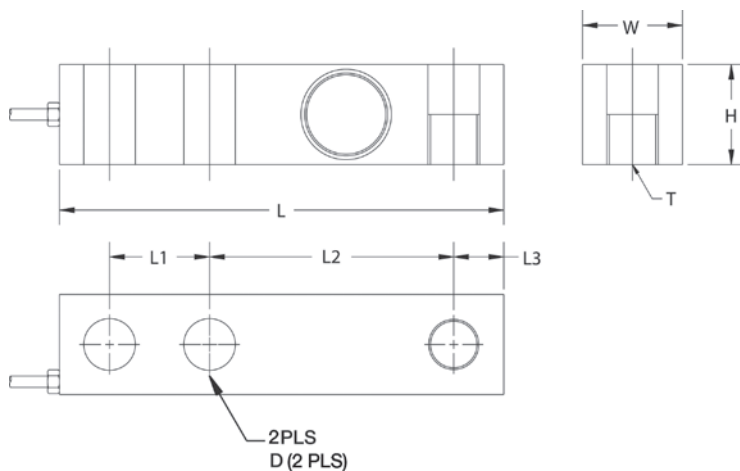
Approvals**Order Information**

Load Rating	Part #	Est. Weight	Price
1,000 lb	67118	3 lb	\$344.00
2,000 lb	67119	3 lb	\$344.00
2,500 lb	67120	3 lb	\$344.00
4,000 lb	67122	3 lb	\$344.00
5,000 lb SE	67123	3 lb	\$344.00
5,000 lb LE	67124	5 lb	\$450.00
10,000 lb	67125	5 lb	\$450.00

SE=small envelope; LE=large envelope

Dimensions

Rated Capacity	L	L1	L2	L3	W	H	D	T
lb/in								
1,000 to 5,000 SE	5.12	1.00	3.00	0.50	1.25	1.25	0.53	1/2-20 UNF
5,000 LE to 10,000	6.75	1.50	3.75	0.75	1.50	1.50	0.78	3/4-16 UNF

**Interchangeable Products**

VPG® SENSORTRONICS®

65083..... page 284**Weigh Module Available**

RICE LAKE WEIGHING SYSTEMS

RL1800 Series..... page 48**Specifications****Full Scale Output:**

3.0 mV/V

Output Resistance:

350 (± 3) ohm

Input Resistance:

385 (± 5) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Welded-seal, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 15 VDC

Combined Error:

0.02 full scale

Insulation Resistance:

5,000 megohm

Cable Length:

20 ft

Cable Diameter:

0.200 in

Polyurethane jacket

Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

Warranty:

One-year limited

Approvals:

NTEP

cFMus



Picture is a representation of actual product

Approvals

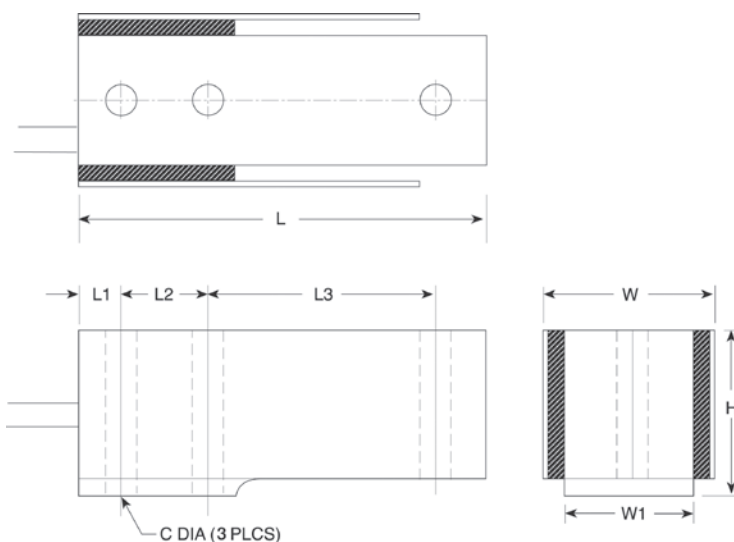


Order Information

Load Rating	Part #	Est. Weight	Price
50 lb	30130	2 lb	\$225.00
100 lb	30131	2 lb	\$225.00
150 lb	30132	2 lb	\$225.00
250 lb	35786	2 lb	\$225.00

Dimensions

Rated Capacity lb/in	C	W	W1	H	L	L1	L2	L3
50 to 150	0.17	0.75	0.50	0.98	2.38	0.25	0.50	1.33
250	0.17	1.00	0.75	0.98	2.38	0.25	0.50	1.33



Interchangeable Products

INTERFACE®
MB

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

350 (± 3) ohm

Input Resistance:

385 (± 5) ohm

Material/Finish:

High-alloy steel, nickel plated

Temperature:

Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP65

Safe Overload:

150% full scale

Rated Excitation:

5 to 15 VDC

Nonlinearity:

0.03% full scale

Hysteresis:

0.02% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

5 ft

Cable Color Code:

Red +Excitation
Black -Excitation
Green +Signal
White -Signal

Warranty:

One-year limited

Approvals:

cFMus



Picture is a representation of actual product

Approvals

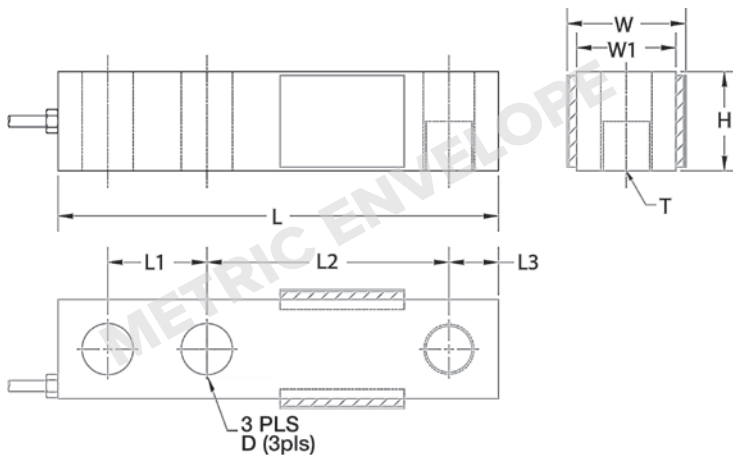


Order Information

Load Rating	Part #	Est. Weight	Price
500 kg	69315	3 lb	\$295.00
1 t	69316	3 lb	\$295.00
2 t	69318	3 lb	\$295.00
2.5 t	69319	3 lb	\$295.00

Dimensions

Rated Capacity	L	L1	L2	L3	W	W1	H	D	T
kg-t/mm									
500 to 2.5	130.0	25.4	76.2	12.7	38.1	31.8	31.8	13.5	M12 × 1.75



Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

350 (± 3) ohm

Input Resistance:

385 (± 5) ohm

Material/Finish:

High-alloy steel, nickel plated

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 15 VDC

Combined Error:

0.025%

Insulation Resistance:

5,000 megohm

Cable Length:

6 m

Cable Diameter:

5 mm

Polyurethane jacket

Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

Warranty:

One-year limited

Approvals:

OIML

cFMus



Picture is a representation of actual product

Approvals



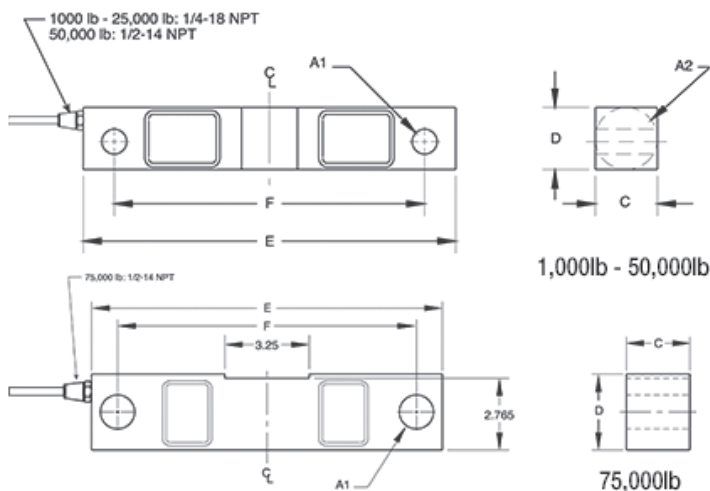
Order Information

Load Rating	Part #	Est. Weight	Price
1,000 lb	30080	4 lb	\$595.00
1,500 lb	30081	4 lb	\$595.00
2,000 lb	30088	4 lb	\$595.00
2,500 lb	30089	4 lb	\$595.00
3,000 lb	30091	4 lb	\$595.00
5,000 lb	30094	4 lb	\$595.00
10,000 lb	30095	7 lb	\$695.00
15,000 lb	30096	7 lb	\$695.00
20,000 lb	30097	7 lb	\$695.00
25,000 lb	30098	7 lb	\$695.00
50,000 lb	30099	25 lb	\$995.00
75,000 lb*	30100	25 lb	\$995.00

*75,000 lb capacity has a square center

Dimensions

Rated Capacity	A1	A2	C	D	E	F
lb/in						
1,000 to 5,000	0.50	1.25	1.25	1.25	7.50	6.25
10,000 to 25,000	0.81	1.99	1.44	1.94	8.75	7.50
50,000	1.31	3.00	2.44	2.94	13.50	11.50
75,000	1.31	—	2.44	2.94	13.50	11.50



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL75016 page 131

RICE LAKE WEIGHING SYSTEMS

RL75016WHE page 135

VPG® SENSORTRONICS®

65016 page 290

VPG® REVERE

5203

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

RL1600 Series page 66 and page 67

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

700 (± 5) ohm

Input Resistance:

770 (± 10) ohm

Material/Finish:

High-alloy steel, nickel plated

Temperature:

Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 15 VDC

Nonlinearity:

0.03% full scale

Hysteresis:

0.02% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:

1,000 to 3,000 lb: 0.01 in
5,000 lb: 0.015 in
10,000 to 20,000 lb: 0.022 in
25,000 lb: 0.036 in
50,000 lb: 0.052 in
75,000 lb: 0.07 in

Cable Length:

25 ft

Cable Diameter:

1,000 to 25,000 lb: 0.200 in
50,000 to 75,000 lb: 0.305 in
Polyurethane jacket

Cable Color Code:

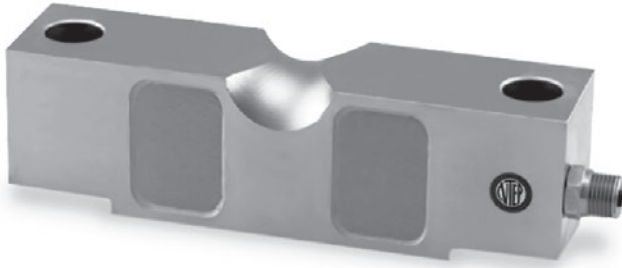
Red +Excitation
Black -Excitation
Green +Signal
White -Signal

Warranty:

One-year limited

Approvals:

cFMus



Picture is a representation of actual product

Approvals

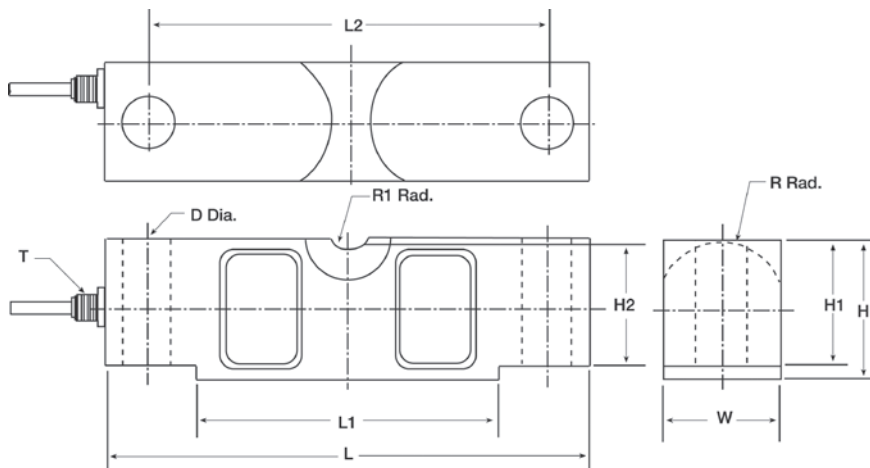


Order Information

Load Rating	Part #	Est. Weight	Price
20,000 lb	46675	8 lb	\$646.00
25,000 lb	46676	8 lb	\$662.00
40,000 lb	46677	13 lb	\$790.00
50,000 lb	46678	19 lb	\$858.00
60,000 lb	46679	19 lb	\$858.00
75,000 lb	46680	19 lb	\$858.00
125,000 lb	46682	40 lb	\$1,563.00

Dimensions

Rated Capacity	L	L1	L2	W	H	H1	H2	D	R	R1	T
lb/in											
20,000 to 25,000	7.75	4.99	6.50	1.69	1.94	1.70	1.63	0.68	0.90	0.75	1/4-18 NPT
40,000	10.25	6.39	8.50	1.94	2.44	2.10	2.00	0.81	1.12	1.00	1/4-18 NPT
50,000 to 75,000	10.25	6.39	8.50	2.44	2.94	2.65	2.54	1.06	1.37	1.00	1/2-14 NPT
125,000	15.25	8.99	12.75	2.90	3.86	2.43	3.30	1.62	1.80	1.50	1/2-14 NPT



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL75058I.....page 136

VPG® SENSORTRONICS®

65058A.....page 293

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

MVS.....page 72

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

700 (± 5) ohm

Input Resistance:

770 (± 10) ohm

Material/Finish:

High-alloy steel, nickel plated

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 15 VDC

Combined Error:

0.025%

Insulation Resistance:

5,000 megohm

Cable Length:

25 ft

Cable Diameter:

20,000 to 25,000 lb: 0.200 in

40,000 to 125,000 lb: 0.305 in

Polyurethane jacket

Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

Warranty:

One-year limited

Approvals:

NTEP

cFMus



Picture is a representation of actual product

Approvals

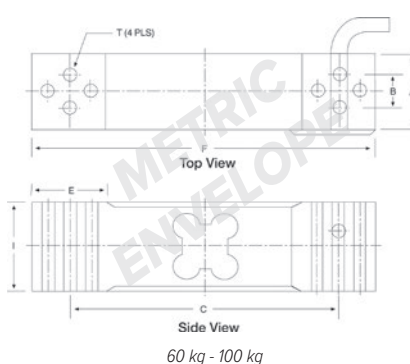
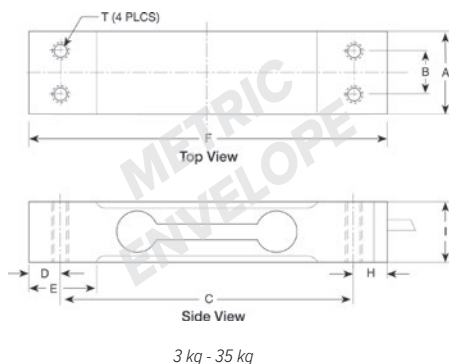


Order Information

Load Rating	Part #	Est. Weight	Price
NTEP Certified			
3 kg	41822	1 lb	\$138.00
6 kg	41823	1 lb	\$138.00
10 kg	41824	1 lb	\$138.00
15 kg	41825	1 lb	\$138.00
20 kg	41826	1 lb	\$138.00
Non-NTEP Certified			
10 kg	30145	1 lb	\$127.00
15 kg	30146	1 lb	\$127.00
20 kg	30147	1 lb	\$127.00
30 kg	46502	1 lb	\$127.00
35 kg	30148	1 lb	\$127.00
60 kg	41149	2 lb	\$127.00
100 kg	41150	2 lb	\$127.00

Dimensions

Rated Capacity	A	B	C	D	E	F	H	I	T
kg/mm									
3	15.0	7.0	58.0	6.0	12.0	70.0	6.0	22.0	M3 × 0.5
6 to 20	30.0	15.0	106.0	12.0	25.0	130.0	12.0	22.0	M6 × 1.0
30 to 35	40.0	15.0	106.0	12.0	25.0	130.0	12.0	22.0	M6 × 1.0
60 to 100	35.0	15.0	117.0	-	-	150.0	-	40.0	M6 × 1.0



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL1521A..... page 157

VPG® TEDEA-HUNTLEIGH®

1022page 310

VPG® BLH

C2G1

NMB®

C2G1

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

350 (± 3) ohm

Input Resistance:

410 (± 15) ohm

Material/Finish:

Aluminum

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP65

Safe Overload:

150% full scale

Rated Excitation:

5 to 15 VDC

Combined Error:

0.25% full scale

Non-repeatability:

0.02%

Insulation Resistance:

5,000 megohm

Cable Length:

3 to 35 kg: 1.5 m

60 kg: 6.5 m

100 kg: 6.5 m

Cable Diameter:

4.0 mm

PVC jacket

Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

Max Platform Size:

350 × 350 mm

Warranty:

One-year limited

Approvals:

NTEP

cFMus

LOC Heavy Capacity

Aluminum, Environmentally Sealed, NTEP Certified 1:5,000 Class III Single Cell, IP65

VPG® CELTRON®



Picture is a representation of actual product

Approvals

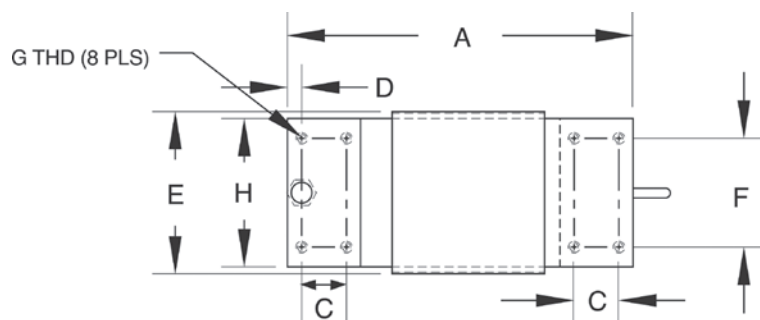


Order Information

Load Rating	Part #	Est. Weight	Price
100 kg	39797	7 lb	\$313.00
150 kg	39796	7 lb	\$313.00
250 kg	39795	7 lb	\$313.00
300 kg	39794	7 lb	\$313.00
500 kg	39793	7 lb	\$313.00

Dimensions

Rated Capacity	A	C	D	E	F	G	H
kg/mm							
100 to 500	191.0	25.0	11.0	82.0	60.0	5/16-18 UNC × 20 DP	75.0



Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

350 (± 3) ohm

Input Resistance:

410 (± 10) ohm

Material/Finish:

Aluminum

Temperature:

Compensated: 14 °F to 104 °F (-10 °C to 40 °C)

Operating: 0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP65

Safe Overload:

150% full scale

Rated Excitation:

5 to 15 VDC

Combined Error:

0.025% full scale

Non-repeatability:

0.02%

Insulation Resistance:

5,000 megohm

Cable Length:

3 m

Cable Diameter:

0.200 in PVC jacket

Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

Max Platform Size:

24 × 24 in

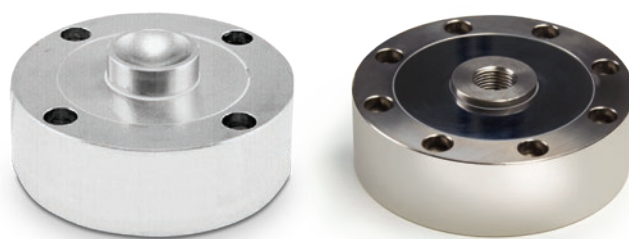
Warranty:

One-year limited

Approvals:

NTEP

cFMus



25,000 to 100,000 lb

5,000 to 10,000 lb

Picture is a representation of actual product

Approvals



Order Information

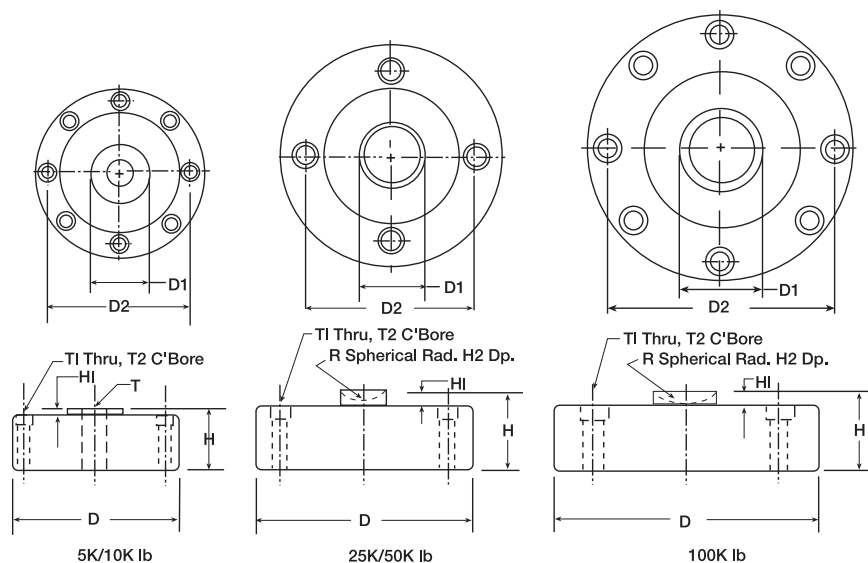
Load Rating	Part #	Est. Weight	Price
5,000 lb*	41966	6 lb	\$775.00
10,000 lb*	41967	6 lb	\$775.00
25,000 lb	41968	9 lb	\$975.00
50,000 lb	41969	9 lb	\$975.00
100,000 lb	41970	12 lb	\$1,125.00
Options			
Ball 1.25 in diameter	65841	1 lb	\$37.00
Load cup**	33616	1 lb	\$37.00

* 5,000lb and 10,000lb models can be used in compression and tension load applications

** Load cup, PN 33616, is required for compression applications on 5,000lb and 10,000lb capacity load cells and is sold separately

Dimensions

Rated Capacity	T	R	D	D2	H	H1	H2	T1	T2
lb/in									
5,000 to 10,000	5/8-18 UNF	—	4.12	3.50	1.37	0.12	—	0.28	0.406 × 0.283 DP
25,000 to 50,000	—	0.875	4.75	4.00	2.12	0.50	0.31	0.34	0.508 × 0.38 DP
100,000	—	0.875	5.43	4.60	2.25	0.25	0.31	0.41	0.626 × 0.4 DP



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL90000page 150

Specifications

Full Scale Output:

4.0 mV/V

Output Resistance:

5,000 to 50,000 lb: 350 (± 3) ohm

100,000 lb: 700 (± 5) ohm

Input Resistance:

5,000 to 50,000 lb: 385 (± 5) ohm

100,000 lb: 770 (± 70) ohm

Material/Finish:

High-alloy steel, nickel plated

Temperature:

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Rated Excitation:

15 VDC

Nonlinearity:

0.05% full scale

Hysteresis:

0.02% full scale

Insulation Resistance:

2,000 megohm

Cable Length:

50 ft

Cable Diameter:

5,000 to 25,000 lb: 0.200 in

50,000 to 100,000 lb: 0.305 in

Polyurethane jacket

Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

Warranty:

One-year limited

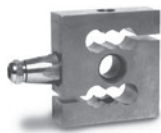
Approvals:

cFMus

S-BEAMS

Page 204

UB1, STAINLESS STEEL



Designed for single or multiple-cell tension load applications, these stainless steel S-beams feature voltage factory calibration, assuring matched outputs for easy calibration in multiple-cell applications. Features hermetic sealing of the strain gauge area and cable entry, providing the ultimate in protection from outside elements. 20 ft of cable is included to simplify cable and load cell repairs. Capacities range from 10 to 50 kN.



Page 205

UB6, STAINLESS STEEL



Stainless steel S-beam designed to meet the most stringent accuracy requirements. 20 ft of field-replaceable cable is included to simplify cable and load cell repairs. Capacities range from 1 to 5 kN.



SINGLE-ENDED BEAMS

Page 206

SLB, STAINLESS STEEL



This stainless steel, single-ended beam has one of the highest NTEP Certified ratings in the industry. A new generation of potting makes this load cell suitable for tough industrial environments. Capacities range from 200 to 5,000 lb. Complete with 10 ft of load cell cable.



Page 207

SB4, STAINLESS STEEL



Designed for multiple-cell applications, such as floor scales and hoppers, these stainless steel, single-ended beams are used exclusively in Rice Lake Weighing Systems' Paramounts® HS mounting systems. mV/V/ohm calibration assures matched outputs for easy calibration. Features true hermetic sealing of both the strain gauge area and cable entry, providing protection from outside elements. Includes field-replaceable load cell cable to simplify cable and load cell repairs. NTEP certified ranges 5 to 50 kN, non-NTEP ranges 5 to 100 kN. Comes with 10 ft of cable for 50 to 5 kN capacities, and 30 ft of cable for 5 to 100 kN capacities.



Page 208

SB5, STAINLESS STEEL



Made for multiple-cell applications, such as floor scales and tank, bin and hopper weighing systems. Used exclusively in Rice Lake Weighing Systems' Paramounts® EP mounting systems. mV/V/ohm calibration assures matched outputs for easy calibration. NTEP Certified capacities starting at 5 kN. Non-NTEP Certified options at 100 kN. Comes with 10 ft of cable length for 5 to 23 kN capacities, and 30 ft for 5 to 100 kN capacities.



Page 209

BK2, STAINLESS STEEL



Designed to lower the scale profile by providing a load cell that is half the overall height of traditional solutions. Ideal for applications such as low-profile floor scales, this model is constructed of stainless steel and is environmentally protected for indoor applications. mV/V/ohm calibration assures matched outputs for easy calibration. Available in capacities from 200 to 2,000 kg and includes 10 ft of standard load cell cable. Non-NTEP Certified solutions at 200 kg capacity. NTEP certified for 500 to 2000 kg.



Page 210

SB6, STAINLESS STEEL



Stainless steel, hermetically sealed single-ended beam with special loading hole provides excellent performance in the harshest environments with a low-profile design. Capacities range from 0.2 to 2 kN. Complete with 10 ft of load cell cable.



SINGLE-ENDED BEAMS

Page 211

SB14, STAINLESS STEEL



Stainless steel, fully hermetically sealed, single-ended beam suitable for the harshest environments. Capacities range from 500 to 5,000 lb. Complete with 10 ft of load cell cable.



ROCKER COLUMNS

Page 212

RC1, STAINLESS STEEL



Offers stainless steel and hermetic sealing, making these cells suitable for use in tough industrial environments. Capacities are 25 t, 40 t and 50,000 lb. Cable lengths are 15 ft for the 50,000 lb capacity, 35 ft for the 25 t capacity and 60 ft for the 40 t capacity. Varying lengths provide easy field replacement and load cell repairs.



Page 213

RC3, STAINLESS STEEL



Rocker is built for superior performance and full hermetic design for applications in moist and high-humidity environments. Constructed of stainless steel. Available in capacities from 7.5 to 50 t. Cable lengths are 40 ft for 7.5 to 22.5 t capacities and 18 m for 30 to 40 t capacities.



SINGLE POINTS

Page 214

PCB, STAINLESS STEEL



A unique "brick" style of load cell. Constructed of stainless steel and hermetically sealed, this unique design provides superior protection in applications where moisture and high humidity are problems. This model features both a welded gauge cavity area, and waterproof cable entry for long-lasting performance. Provides an upgrade from aluminum to stainless steel. Available in capacities from 50 to 1,000 kg. Each unit includes 10 ft of load cell cable.



Page 215

PC1, STAINLESS STEEL



With an environmentally protected seal and stainless steel construction, these load cells are suitable for use in tough industrial environments. Capacities range from 10 to 200 kg. 10 to 75 kg capacities are NTEP approved, and 100 to 200 kg capacities are non-NTEP. Each unit includes 10 ft of load cell cable.



SINGLE POINTS

Page 216

PC3, STAINLESS STEEL



A stainless steel, single point load cell. Has an IP67 rating and is environmentally sealed, making it ideal for harsh environments. Capacities range from 7 to 150 kg. Complete with 10 ft of load cell cable.



Page 217

PA3, ALUMINUM



High-grade aluminum load cell with a single-point platform design. Capacities range from 300 g to 5,000 g. Complete with 0.5 m of integrated cable.

Page 218

PC4, STAINLESS STEEL



Hermetic load cell that is ideal for adverse conditions. Made of stainless steel with a single point design. Capacities range from 20 to 100 kg. Complete with 3 m of cable.



Page 219

PC6, STAINLESS STEEL



Constructed of stainless steel utilizing hermetic sealing, these load cells are suitable for tough industrial environments. Includes 3 m of field-replaceable load cell cable to simplify cable and load cell repairs. Capacities range from 20 to 200 kg.



Page 220

PC7, STAINLESS STEEL



Ideal for washdown applications. Hermetically sealed to IP69K standards, this stainless steel component comes with 3 m of cable and an integrated mounting spacer for easy installation. Available in capacities ranging from 100 to 500 kg.



Page 221

PC2, STAINLESS STEEL



This high-accuracy stainless steel, single point load cell is an ideal replacement cell for hopper applications with damaged bellows. This cell also features complete hermetic sealing for use in the toughest environments. This product is offered at 150 kg and comes complete with 3 m of load cell cable.



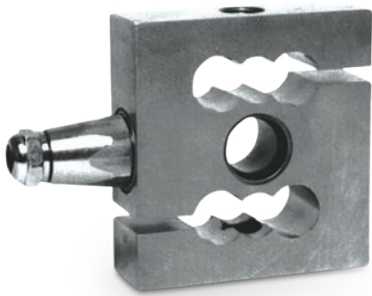
PLANAR BEAM

Page 222

PB, ALUMINUM



An inexpensive alternative planar beam used in low profile, light capacity applications. The compact size and mV/V per ohm calibration simplifies installation. Capacities range from 15 to 150 kg and includes 1.5 m of load cell cable.



Picture is a representation of actual product.

Approvals



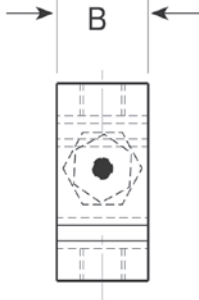
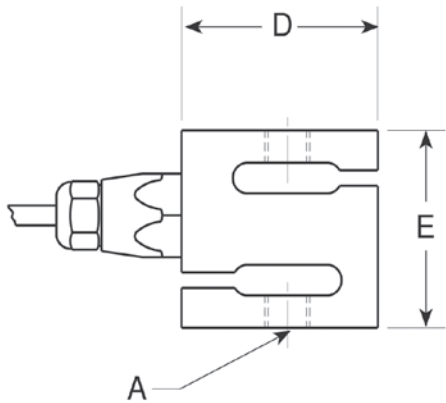
Order Information

Load Rating	Part #	Est. Weight	Price
10 kN	17073	4 lb	\$755.00
20 kN	17074	4 lb	\$755.00
50 kN	17075	13 lb	\$755.00
Options			
Conduit adapter, 1/2-14 NPT	17703	1 lb	\$50.00

Dimensions

Rated Capacity	A*	B	D	E
kN/in				
10 to 20	5/8-18 UNF	1.18	3.38	3.62
50	1-12 UNF	1.69	5.62	5.37

*Also available with metric threads



Specifications

- Full Scale Output:**
2.0 mV/V
mV/V/ohm calibration
- Output Resistance:**
1,000 (± 2) ohm
- Input Resistance:**
1,100 (± 50) ohm
- Material/Finish:**
Stainless steel
- Temperature:**
Operating:
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**
Hermetically sealed, IP69K
- Safe Overload:**
200% full scale
- Rated Excitation:**
5 to 15 VDC
- Nonlinearity:**
0 to -0.03% full scale
- Hysteresis:**
0 to +0.05% full scale
- Combined Error:**
 $\pm 0.03\%$
- Insulation Resistance:**
10,000 megohm
- Cable Length:**
20 ft
- Cable Diameter:**
0.196 in
Polyurethane jacket
- Cable Color Code:**
Green +Excitation
Black -Excitation
White +Signal
Red -Signal
Yellow Shield
- Warranty:**
One-year limited
- Approvals:**
OIML
FM



Picture is a representation of actual product.

Approvals



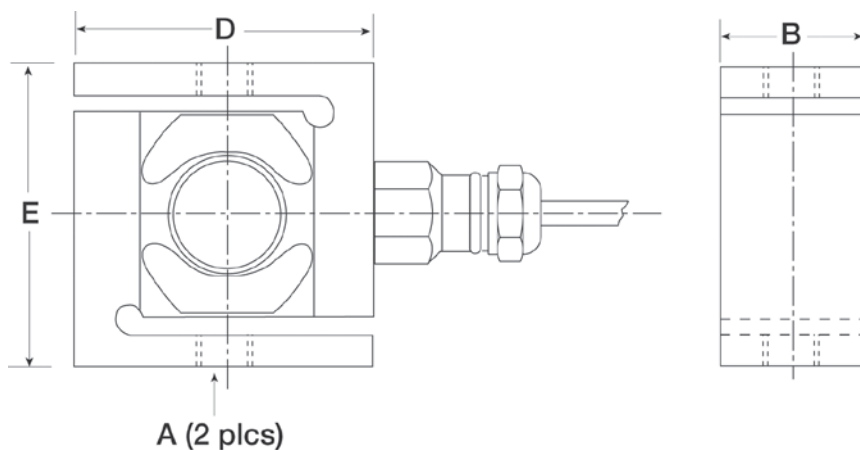
Order Information

Load Rating	Part #	Est. Weight	Price
1 kN	36214	3lb	\$650.00
2 kN	36215	3lb	\$650.00
5 kN	36216	3lb	\$650.00

Dimensions

Rated Capacity	A*	B	D	E
kN/in				
1 to 5	1/2-20 UNF	1.20	2.42	2.42

*Also available with metric threads



Specifications

Full Scale Output:

2.0 mV/V
mV/V/ohm calibration

Output Resistance:

1,000 (± 2) ohm

Input Resistance:

1,100 (± 50) ohm

Material/Finish:

Stainless steel

Temperature:

Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Hermetically sealed, IP69K

Safe Overload:

200% full scale

Rated Excitation:

5 to 15 VDC

Combined Error:

0.02% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

20 ft

Cable Diameter:

0.196 in
Polyurethane jacket

Cable Color Code:

Green +Excitation
Black -Excitation
White +Signal
Red -Signal
Yellow Shield

Warranty:

One-year limited

Approvals:

OIML
FM

SLB

Stainless Steel, Environmentally Sealed, NTEP Certified 1:4,000 Class III Single Cell/1:7,500 Class III Multiple Cell, OIML C3, IP67



Picture is a representation of actual product.

Approvals

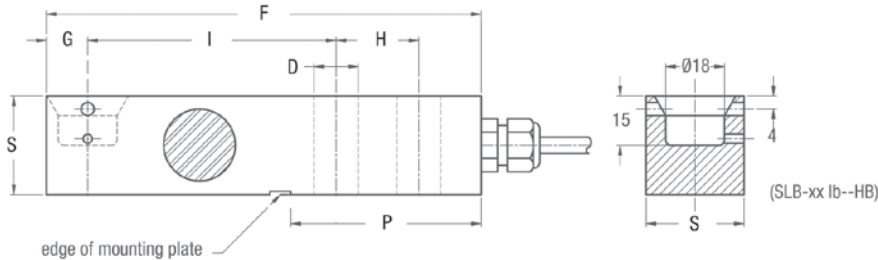


Order Information: Blind Hole

Load Rating	Part#	Est. Weight	Price
200 lb	77422	3 lb	\$350.00
500 lb	77423	3 lb	\$350.00
1,000 lb	68527	3 lb	\$350.00
2,500 lb	68528	3 lb	\$350.00
5,000 lb	68529	3 lb	\$350.00

Dimensions

Rated Capacity	D	F	G	H	I	P	S
lb/mm							
200 to 5,000	12.9	136.3	12.7	25.4	76.2	61.5	30.2



Interchangeable Products

FAIRBANKS®
LCF-HR4050-3

*Stainless overbraid cable

Specifications

- Full Scale Output:**
2.0 mV/V
mV/V/ohm calibration
- Output Resistance:**
1,000 (± 2) ohm
- Input Resistance:**
1,100 (± 50) ohm
- Material/Finish:**
Stainless steel
- Temperature:**
Compensated:
14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**
Environmentally sealed, IP67
- Combined Error:**
0.01% full scale
- Safe Overload:**
200% full scale
- Safe Sideload:**
100% full scale
- Rated Excitation:**
5 to 15 VDC
- Insulation Resistance:**
5,000 megohm
- Cable Length:**
10 ft
- Cable Diameter:**
0.196 in
Polyurethane jacket
- Cable Color Code:**
Green +Excitation
Black -Excitation
White +Signal
Red -Signal
Yellow Shield
- Warranty:**
One-year limited
- Approvals:**
NTEP
OIML
FM



Picture is a representation of actual product.

Approvals



Order Information

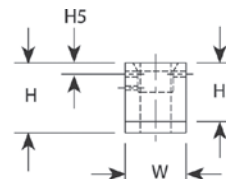
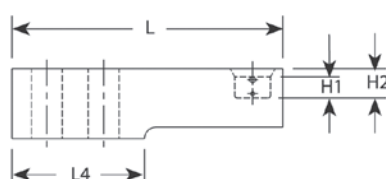
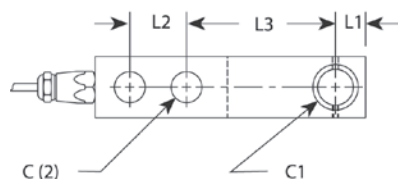
Load Rating	Part #	Est. Weight	Price
NTEP Certified/OIML			
5 kN	26662	4 lb	\$725.00
10 kN	26663	4 lb	\$725.00
23 kN	26664	4 lb	\$725.00
50 kN	26665	7 lb	\$815.00
Non-NTEP Certified/Non-OIML			
5 kN	17390	4 lb	\$665.00
10 kN	17391	4 lb	\$665.00
23 kN	17392	4 lb	\$665.00
50 kN	17393	7 lb	\$725.00
100 kN	17394	17 lb	\$995.00
Options			
Conduit adapter, 1/2-14 NPT	17703	1 lb	\$50.00

30 ft Cables

Load Rating	Part #	Est. Weight	Price
NTEP Certified/OIML			
5 kN	100164	4 lb	\$830.00
10 kN	100165	4 lb	\$830.00
23 kN	100166	4 lb	\$830.00
50 kN	100167	7 lb	\$995.00
Non-NTEP Certified/Non-OIML			
5 kN	100169	4 lb	\$765.00
10 kN	100170	4 lb	\$765.00
23 kN	100171	4 lb	\$765.00
50 kN	100173	7 lb	\$850.00
100 kN	100168	17 lb	\$1,050.00

Dimensions

Rated Capacity	C	C1	H	H1	H2	H3	H5	L	L1	L2	L3	L4	W
kN/in													
5 to 23	0.53	0.71	1.42	0.39	0.59	1.19	0.16	6.10	0.59	1.38	3.15	2.98	1.18
50	0.85	0.98	1.93	0.58	0.81	1.62	0.31	7.48	0.83	1.57	4.13	3.66	1.69
100	1.06	1.18	2.87	0.82	1.21	2.43	—	9.65	1.19	1.97	5.31	4.72	2.36



Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

Paramounts® HE..... page 32

RICE LAKE WEIGHING SYSTEMS

Paramounts® HS..... page 45

Specifications

Full Scale Output:

2.0 mV/V
mV/V/ohm calibration

Output Resistance:

1,000 (± 2) ohm

Input Resistance:

1,100 (± 50) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:
14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Hermetically sealed, IP69K

Safe Overload:

200% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 15 VDC

Combined Error:

± 0.03% full scale

Insulation Resistance:

10,000 megohm

Deflection at Capacity:

10 kN: 0.012 in
23 kN: 0.02 in
50 kN: 0.012 in
100 kN: 0.016 in

Cable Length:

5 to 23 kN: 10 ft
50 to 100 kN: 15 ft
Also available in 30 ft

Cable Diameter:

0.196 in
Polyurethane jacket

Cable Color Code:

Green +Excitation
Black -Excitation
White +Signal
Red -Signal
Yellow Shield

Warranty:

One-year limited

Approvals:

NTEP
OIML
FM

SB5

Stainless Steel, Environmentally Sealed, NTEP Certified 1:5,000 Class III Multiple Cell, OIML C3, IP67



Picture is a representation of actual product

Approvals



Order Information

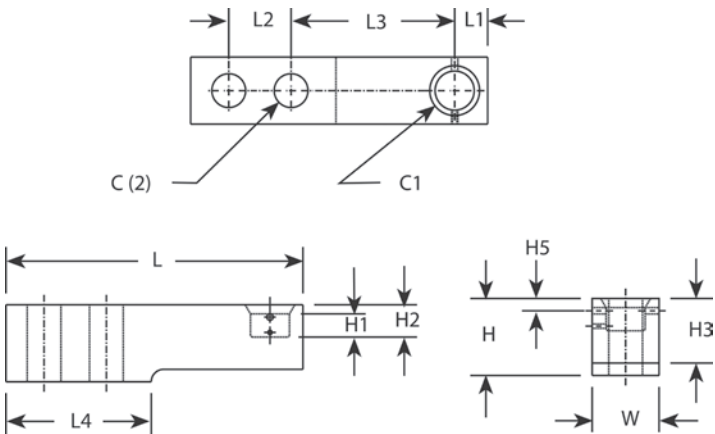
Load Rating	Part #	Est. Weight	Price
NTEP Certified/OIML			
5 kN	33387	3 lb	\$450.00
10 kN	33388	3 lb	\$450.00
20 kN	33389	3 lb	\$450.00
50 kN	33390	7 lb	\$575.00
Non-NTEP Certified/Non-OIML			
100 kN	33391	16 lb	\$875.00

30 ft Cables

Load Rating	Part #	Est. Weight	Price
NTEP Certified/OIML			
5 kN	100174	5 lb	\$495.00
10 kN	100175	5 lb	\$495.00
20 kN	100176	5 lb	\$495.00
50 kN	100177	7 lb	\$745.00
Non-NTEP Certified/Non-OIML			
100 kN	100178	16 lb	\$950.00

Dimensions

Rated Capacity	C	C1	H	H1	H2	H3	H5	L	L1	L2	L3	L4	W
kN/in													
5 to 20	0.53	0.71	1.42	0.39	0.59	1.19	0.16	6.10	0.59	1.38	3.15	2.98	1.18
50	0.85	0.98	1.93	0.58	0.81	1.62	0.31	7.48	0.83	1.57	4.13	3.66	1.69
100	1.06	1.18	2.87	0.82	1.21	2.43	—	9.65	1.19	1.97	5.31	4.72	2.36



Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

Paramounts® EPpage 43

Specifications

- Full Scale Output:**
2.0 mV/V
mV/V/ohm calibration
- Output Resistance:**
1,000 (± 2) ohm
- Input Resistance:**
1,100 (± 50) ohm
- Material/Finish:**
Stainless steel
- Temperature:**
Compensated:
14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**
Environmentally sealed, IP67
- Safe Overload:**
200% full scale
- Safe Sideload:**
100% full scale
- Rated Excitation:**
5 to 15 VDC
- Combined Error:**
± 0.03% full scale
- Insulation Resistance:**
10,000 megohm
- Deflection at Capacity:**
5 kN: 0.008 in
10 kN: 0.012 in
20 kN: 0.02 in
50 kN: 0.012 in
- Cable Length:**
5 to 20 kN: 10 ft
50 to 100 kN: 15 ft
Also available in 30 ft
- Cable Diameter:**
0.196 in
Polyurethane jacket
- Cable Color Code:**
Green +Excitation
Black -Excitation
White +Signal
Red -Signal
Yellow Shield
- Warranty:**
One-year limited
- Approvals:**
NTEP
OIML
FM



Picture is a representation of actual product.

Approvals



Available
upon
request

Available
upon
request

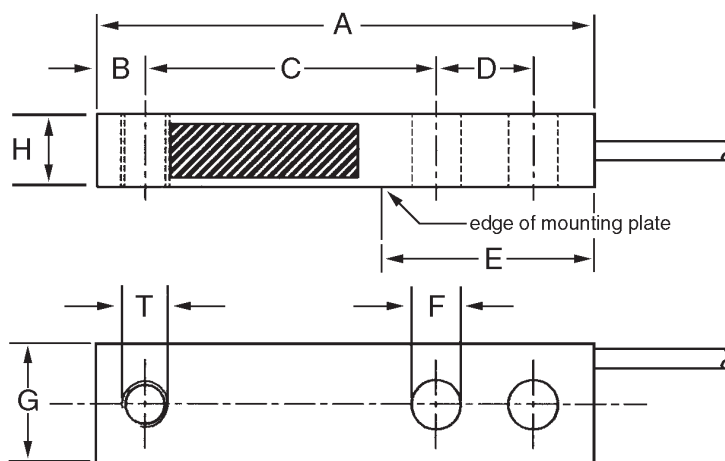
Order Information

Load Rating	Part #	Est. Weight	Price
NTEP Certified			
500 kg	84839	2 lb	\$250.00
1,000 kg	84840	2 lb	\$250.00
2,000 kg	84841	2 lb	\$250.00
Non-NTEP Certified			
200 kg	84838	2 lb	\$250.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	T*
kg/mm									
200	128.5	12.7	76.2	25.4	53.8	13(2x)	31.8	16.1	1/2-20 UNF
500	128.5	12.7	76.2	25.4	53.8	13(2x)	31.8	16.1	1/2-20 UNF
1,000	128.5	12.7	76.2	25.4	53.8	13(2x)	31.8	19.1	1/2-20 UNF
2,000	130.2	12.7	76.2	25.4	53.8	13(2x)	31.8	25.4	1/2-20 UNF

*Metric thread is available



Specifications

Full Scale Output:

2.0 mV/V
mV/V/ohm calibration

Output Resistance:

1,000 (± 2) ohm

Input Resistance:

1,100 (± 50) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:
14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

200% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 15 VDC

Combined Error:

0.030%

Insulation Resistance:

5,000 megohm

Cable Length:

10 ft

Cable Diameter:

0.196 in
Polyurethane jacket

Cable Color Code:

Green +Excitation
Black -Excitation
White +Signal
Red -Signal
Yellow Shield

Warranty:

One-year limited

Approvals:

NTEP
OIML (Available upon request)
EX (Available upon request)

SB6

Stainless Steel, Hermetically Sealed, OIML C3, IP68



Picture is a representation of actual product.

Approvals

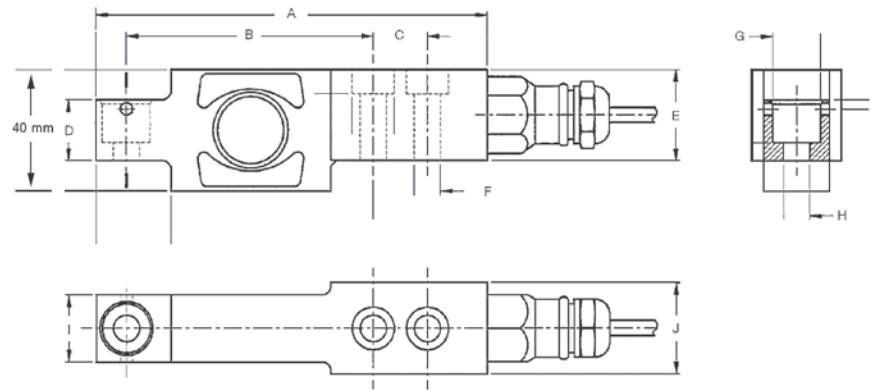


Order Information

Load Rating	Part #	Est. Weight	Price
0.2 kN	41163	3 lb	\$565.00
0.5 kN	41164	3 lb	\$565.00
1 kN	41165	3 lb	\$565.00
2 kN	41166	3 lb	\$565.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	I	J
kN/mm										
0.2 to 2	130.0	82.0	18.0	20.0	30.0	8.7	16.0	8.7	22.0	30.0



Specifications

- Full Scale Output:**
2.0 mV/V
mV/V/ohm calibration
- Output Resistance:**
1,000 (± 2) ohm
- Input Resistance:**
1,100 (± 50) ohm
- Material/Finish:**
Stainless steel
- Temperature:**
Operating:
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**
Hermetically sealed, IP68
- Safe Overload:**
200% full scale
- Safe Sideload:**
100% full scale
- Rated Excitation:**
5 to 15 VDC
- Combined Error:**
0.01% full scale
- Insulation Resistance:**
5,000 megohm
- Cable Length:**
10 ft
- Cable Diameter:**
0.196 in
Polyurethane jacket
- Cable Color Code:**
Green +Excitation
Black -Excitation
White +Signal
Red -Signal
Yellow Shield
- Warranty:**
One-year limited
- Approvals:**
OIML
FM



Picture is a representation of actual product.

Approvals



Available
upon
request

Order Information-CU Version*

Load Rating	Part#	Est. Weight	Price
500 lb	41167	3 lb	\$510.00
1,000 lb	41168	3 lb	\$510.00
2,500 lb	41169	3 lb	\$510.00
5,000 lb	41170	3 lb	\$510.00

*CU versions have a counterbore/unified thread 1/2-20UNF

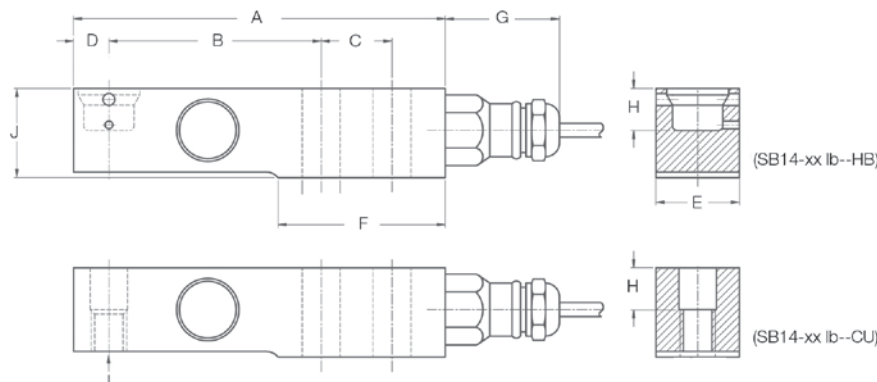
Order Information-HB Version**

Load Rating	Part#	Est. Weight	Price
500 lb	119556	3 lb	\$510.00
1,000 lb	119557	3 lb	\$510.00
2,500 lb	119558	3 lb	\$510.00
5,000 lb	119559	3 lb	\$510.00

**HB versions have a blind load hole

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	I	J
lb/in										
500 to 5,000	5.25	3.00	1.00	0.50	1.18	2.35	1.61	0.59	1/2-20 UNF	1.22



Interchangeable Products

FAIRBANKS®

LCF-HR4060-XX

Specifications

Full Scale Output:

2.0 mV/V
mV/V/ohm calibration

Output Resistance:

1,000 (± 2) ohm

Input Resistance:

1,100 (± 50) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:
14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Hermetically sealed, IP69K

Safe Overload:

200% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 15 VDC

Combined Error:

± 0.03% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

10 ft

Cable Diameter:

0.196 in
Polyurethane jacket

Cable Color Code:

Green +Excitation
Black -Excitation
White +Signal
Red -Signal
Yellow Shield

Warranty:

One-year limited

Approvals:

NTEP
OIML (Available upon request)
FM



Picture is a representation of actual product.

Approvals



Order Information

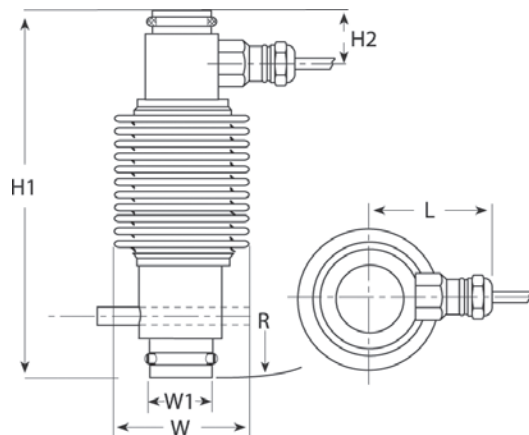
Load Rating	Part #	Est. Weight	Price
25 t (250 kN)*	36217	8 lb	\$865.00
40 t (400 kN)	36218	10 lb	\$1,475.00
50,000 lb**	170734	8 lb	\$1,095.00
Accessories			
Conduit adapter, 1/2-14 NPT	17703	1 lb	\$50.00
Load cup*, upper (25 t only)	71602	—	\$195.00
Load cup*, lower (25 t only)	44290	—	\$201.00
Anti-rotation pin	214044	—	\$10.00

*For Mettler Toledo® digital to analog conversion: requires replacement of all system load cells, junction box and instrumentation; consult factory. Kit on page 76.

**1,000ohm bridge

Dimensions

Rated Capacity	H1	H2	L	R	W	W1
t/in						
25	7.56	1.22	2.44	10.98	2.83	1.46
40	8.86	1.34	2.72	14.02	3.35	1.46
50,000 lb	7.56	1.22	2.44	10.98	2.83	1.46



Interchangeable Products

FAIRBANKS®

63215 LCF-HR4020-1

FAIRBANKS®

82052

Specifications

Full Scale Output:

2.0 mV/V
mV/V/ohm calibration

Output Resistance:

351 (± 1) ohm
50,000 lb: 1,000 (± 2) ohm

Input Resistance:

400 (± 15) ohm
50,000 lb: 1,100 (± 50) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:
14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Hermetically sealed, IP68

Safe Overload:

200% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 15 VDC

Combined Error:

± 0.02% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

25 t (250 kN): 35 ft
40 t (400 kN): 60 ft
50,000 lb: 15 ft overbraid

Cable Diameter:

0.196 in
Polyurethane jacket

Cable Color Code:

Green +Excitation
Black -Excitation
White +Signal
Red -Signal
Yellow Shield

Warranty:

One-year limited

Approvals:

NTEP
OIML
FM

Stainless Steel, Hermetically Sealed, NTEP Certified 1:10,000 Class III Multiple Cell, OIML C3, IP69K



Picture is a representation of actual product.

Approvals



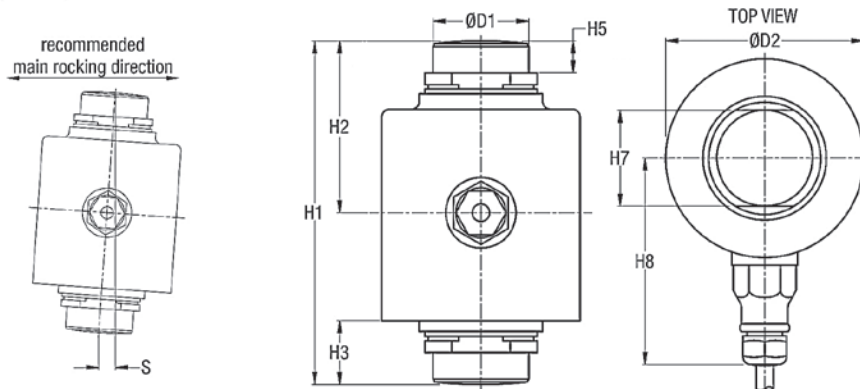
Order Information

Load Rating	Part #	Est. Weight	Price
7.5 t	168944	3 lb	\$795.00
15 t	168946	3 lb	\$795.00
22.5 t	168947	3 lb	\$795.00
30 t	84203	7 lb	\$1,015.00
40 t	84204	9 lb	\$1,015.00
50 t	84205	10 lb	\$1,295.00
Options			
Upper cup (50 t) alloy steel	111365	5 lb	\$195.00
Lower cup (50 t) alloy steel	111366	5 lb	\$195.00
Upper cup (50 t) stainless steel	154107	5 lb	\$185.00
Lower cup (50 t) stainless steel	154106	5 lb	\$185.00

The kits for the RC3 cells are on page 77. Cups 111365 and 111366 are used in kits 129844 and 111367.
Cups 154107 and 154106 are used in kits 154347, 154348 and 154349.

Dimensions

Rated Capacity	H1	H2	H3	H5	H7	H8	D1	D2
t/in								
7.5 to 22.5	3.50	1.73	0.67	0.43	1.10	2.95	1.10	2.56
30	5.51	2.76	1.20	0.51	1.55	3.31	1.55	3.19
40	5.91	2.95	1.22	0.51	1.55	3.31	1.55	3.19
50	7.01	3.50	1.26	0.67	1.73	3.71	1.73	3.90



Interchangeable Products

FAIRBANKS®

30 t 70510 LCF-HR4020-2A

METTLER TOLEDO®

SLC611 7.5 t, 15 t, 22.5 t

Specifications

Full Scale Output:

2.0 mV/V
mV/V/ohm calibration

Output Resistance:

1,000 (± 2) ohm

Input Resistance:

1,150 (± 50) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:
14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Hermetically sealed, IP69K

Safe Overload:

200% full scale

Safe Sideload:

200% full scale

Rated Excitation:

5 to 15 VDC

Combined Error:

0.02% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

7.5 to 22.5 t: 40 ft
30 to 50 t: 18 m

Cable Diameter:

0.307 in
Polyurethane jacket

Cable Color Code:

Green +Excitation
Black -Excitation
White +Signal
Red -Signal
Yellow Shield

Warranty:

One-year limited

Approvals:

NTEP
OIML
FM



Picture is a representation of actual product.

Approvals

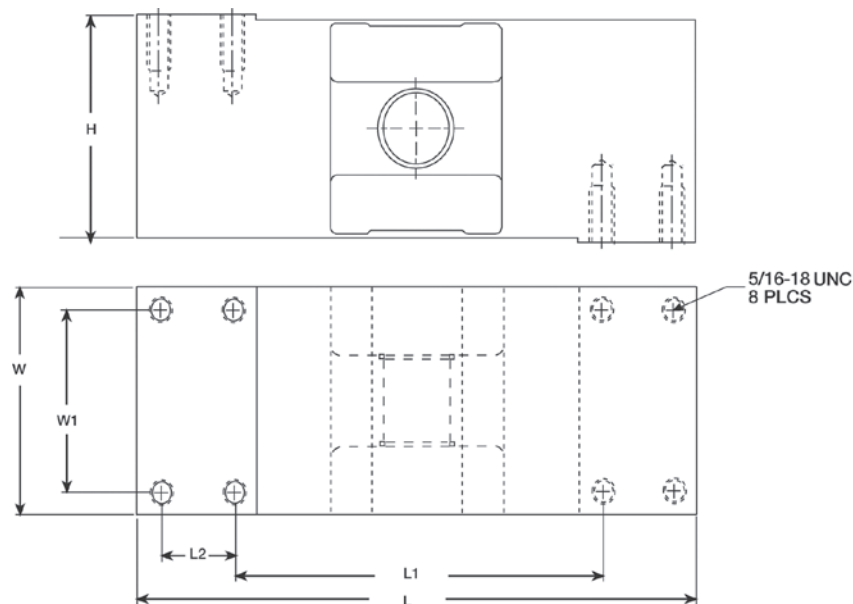


Order Information

Load Rating	Part #	Est. Weight	Price
50 kg	45274	15 lb	\$900.00
100 kg	45275	15 lb	\$900.00
250 kg	45276	15 lb	\$900.00
500 kg	45277	15 lb	\$900.00
1,000 kg	45278	15 lb	\$900.00
Options			
Conduit adapter, 1/2-14 NPT	17703	1 lb	\$50.00

Dimensions

Rated Capacity	L	L1	L2	W	W1	H
kg/mm						
50 to 1,000	190.5	124.8	24.9	74.9	59.9	74.9



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RLPWM12

RICE LAKE WEIGHING SYSTEMS

RL1250*

VPG® TEDEA-HUNTLEIGH®

1250* page 322

* Environmentally sealed

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

960 (± 50) ohm

Input Resistance:

1,100 (± 50) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Hermetically sealed, IP69K

Safe Overload:

200% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 15 VDC

Combined Error:

0.02% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:

0.015 in

Cable Length:

10 ft

Cable Diameter:

0.196 in

Polyurethane jacket

Cable Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

Yellow Shield

Max Platform Size:

39 × 39 in

Warranty:

One-year limited

Approvals:

NTEP

OIML

FM



Picture is a representation of actual product.

Approvals

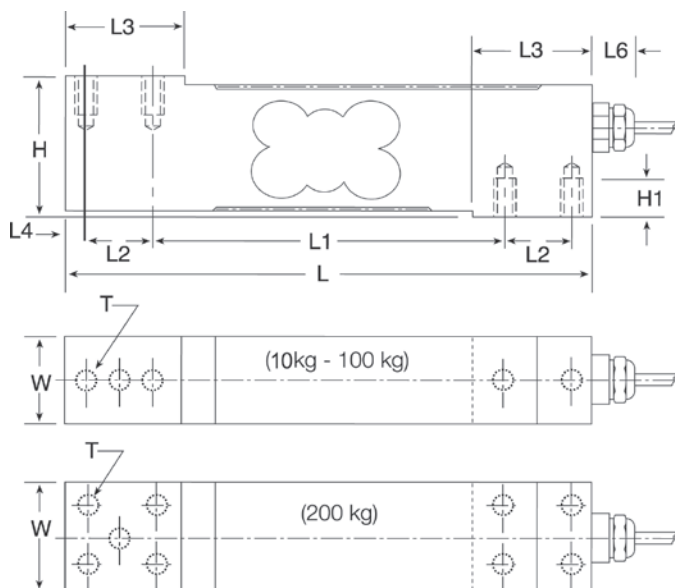


Order Information

Load Rating	Part #	Est. Weight	Price
NTEP Certified			
10 kg	41821	3 lb	\$335.00
15 kg	36219	3 lb	\$335.00
30 kg	36220	3 lb	\$335.00
50 kg	36221	3 lb	\$335.00
75 kg	36222	3 lb	\$335.00
Non-NTEP Certified			
100 kg	36223	3 lb	\$335.00
200 kg	36224	4 lb	\$510.00

Dimensions

Rated Capacity	H	H1	L	L1	L2	L3	L4	L6	W	T
kg/mm										
10 to 100	40.0	10.0	150.0	100.0	19.0	32.0	6.0	20.0	25.4	1/4-20 UNC x 19.1DP
200	40.0	10.0	150.0	100.0	19.0	32.0	6.0	20.0	38.1	1/4-20 UNC x 19.1DP



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL1385.....page 165

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

330 (± 25) ohm

Input Resistance:

390 (± 20) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

200% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 15 VDC

Combined Error:

0.02% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

10 ft

Cable Diameter:

0.196 in

Polyurethane jacket

Cable Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

Yellow Shield

Max Platform Size:

18 x 18 in

Warranty:

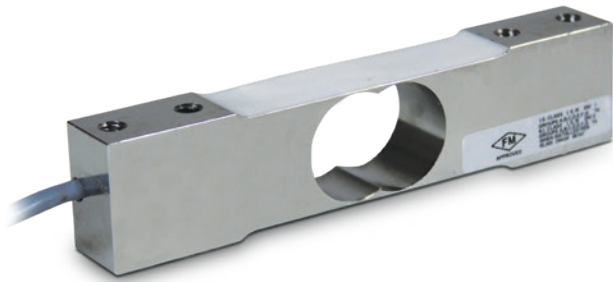
One-year limited

Approvals:

NTEP

OIML

FM



Picture is a representation of actual product.

Approvals

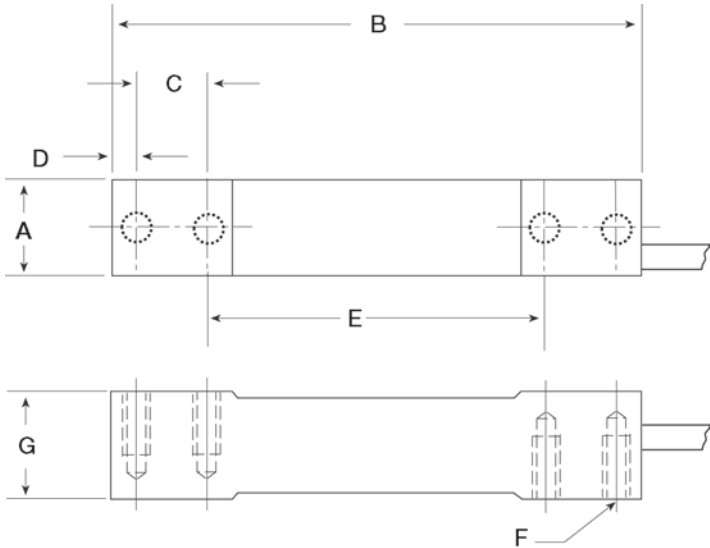


Order Information

Load Rating	Part #	Est. Weight	Price
7 kg	202686	2 lb	\$335.00
10 kg	202687	2 lb	\$335.00
30 kg	202688	2 lb	\$335.00
60 kg	202689	2 lb	\$335.00
100 kg	202690	2 lb	\$335.00
150 kg	202691	2 lb	\$335.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G
kg/mm							
7 to 10	18.2	140.0	19.0	6.4	88.9	1/4-20 UNC	30.0
30 to 60	24.5	140.0	19.0	6.4	88.9	1/4-20 UNC	30.0
100 to 150	30.8	140.0	22.4	7.8	79.3	3/8-16 UNC	30.0



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL1380..... page 164

HBK®

PWS..... page 231

Specifications

Full Scale Output:

2 mV/V

Output Resistance:

350 (± 10) ohm

Input Resistance:

385 (± 15) ohm

Material Finish:

Stainless Steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally Sealed, IP67

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC

Combined Error:

0.02% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

10 ft

Cable Diameter:

0.140 in

Polyurethane jacket

Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

Yellow Shield

Max Platform Size:

7 to 30 kg: 350 × 350 mm

60 to 150 kg: 450 × 450 mm

Warranty:

One-year limited

Approvals:

NTEP

OIML

FM

NEW

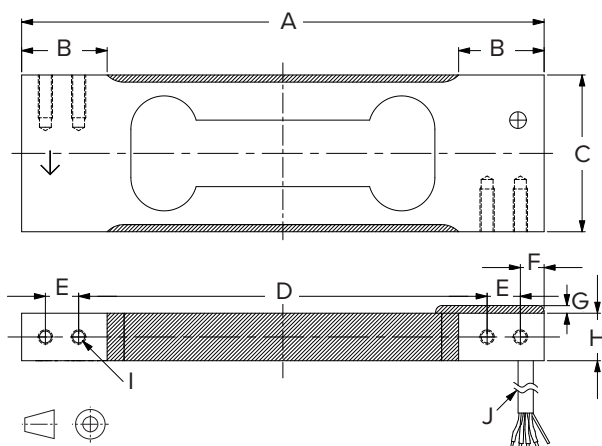
Picture is a representation of actual product.

Order Information

Load Rating	Part #	Est. Weight	Price
300 g	227802	3 lb	\$180.00
500 g	227803	3 lb	\$180.00
1,000 g	227804	3 lb	\$180.00
2,000 g	227805	3 lb	\$180.00
3,000 g	227806	3 lb	\$180.00
5,000 g	227807	3 lb	\$180.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	I	J
kg/mm										
300 to 5,000	110.0	18.0	33.0	86.0	7.0	5.0	<3.0	10.0	4 × M3 × 0.5, 9 mm deep	0.5 m, 4 core cable, PVC



Specifications

Full Scale Output:

1 mV/V

Output Resistance:

350 (± 10) ohm

Input Resistance:

409 (± 15) ohm

Material Finish:

Aluminum

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP66

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC

Combined Error:

± 0.05% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

0.5 m

Cable Jacket:

PVC

Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

Yellow Shield

Max Platform Size:

200 × 200 mm

Warranty:

One-year limited



Picture is a representation of actual product.

Approvals

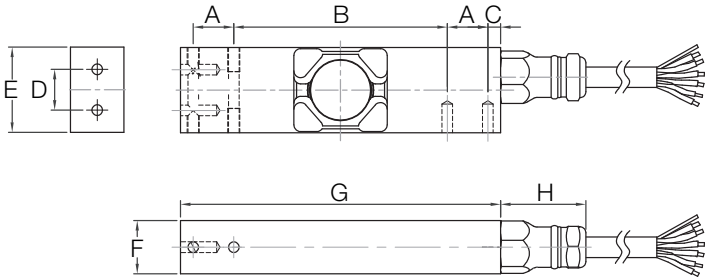


Order Information

Load Rating	Part #	Est. Weight	Price
20 kg	202693	3 lb	\$650.00
50 kg	202694	3 lb	\$650.00
100 kg	202695	3 lb	\$650.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H
kg/mm								
20 to 100	19.0	100.0	6.0	19.1	40.0	25.0	150.0	40.0



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RLPWM15HE..... page 154

HBK®

PW15AH* page 230

*350 Ohm

Specifications

Full Scale Output:

2 mV/V

Output Resistance:

960 (± 50) ohm

Input Resistance:

1100 (± 50) ohm

Material:

Stainless Steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Hermetically sealed, IP69K

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC

Combined Error:

0.02% full scale

Insulation Resistance:

> 5,000 megohm

Cable Length:

3 m

Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

Blue +Sense

Brown -Sense

Yellow Shield

Max Platform Size:

500 × 400 mm

Warranty:

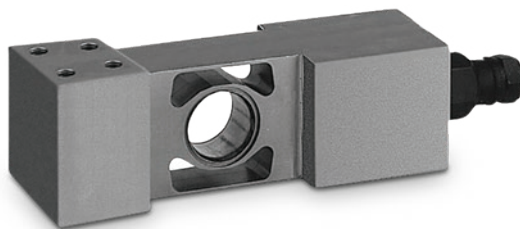
One-year limited

Approvals:

NTEP

OIML

FM



Picture is a representation of actual product.

Approvals

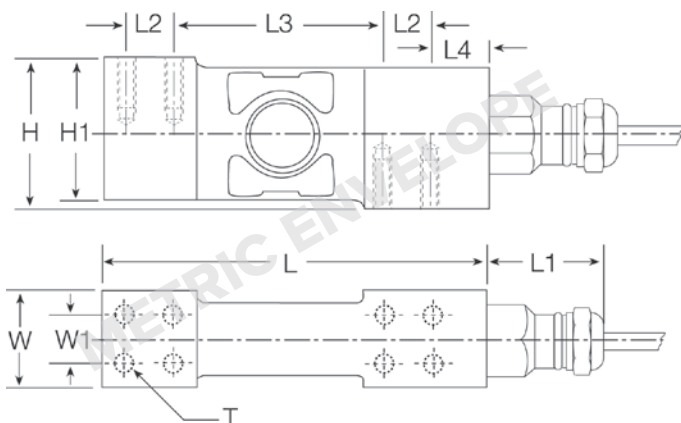


Order Information

Load Rating	Part #	Est. Weight	Price
20 kg	36225	3 lb	\$650.00
50 kg	36226	3 lb	\$650.00
100 kg	36227	3 lb	\$650.00
200 kg	36228	3 lb	\$650.00

Dimensions

Rated Capacity	H	H1	L	L1	L2	L3	L4	W	W1	T
kg/mm										
20 to 200	48.0	45.5	123.0	41.0	15.2	67.6	17.8	30.1	15.2	8 × M6/15 DP



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RLPC6 page 153

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

960 (± 50) ohm

Input Resistance:

1,100 (± 50) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated range

14 °F to 104 °F (-10 °C to 40 °C)

Operating range

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Hermetically sealed, IP69K

Safe Overload:

200% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.02% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

3 m

Cable Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

Yellow Shield

Max Platform Size:

610 × 610 mm

Warranty:

One-year limited

Approvals:

NTEP

OIML

FM

SINGLE POINT
PC7
 Stainless Steel, Hermetically Sealed, OIML C3, IP69K



Picture is a representation of actual product.

Approvals

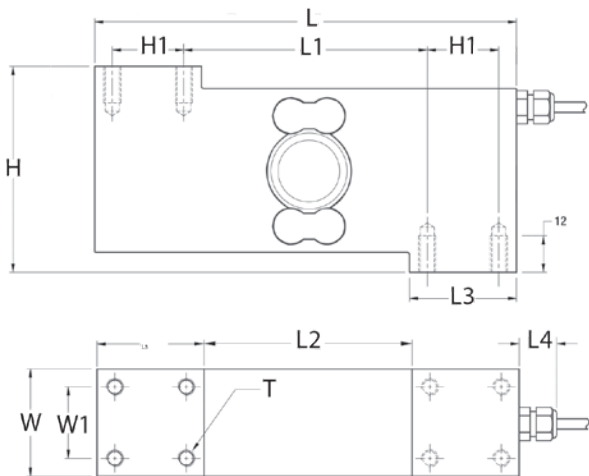


Order Information

Load Rating	Part #	Est. Weight	Price
100 kg	161719	6 lb	\$750.00
250 kg	161720	6 lb	\$750.00
500 kg	161721	6 lb	\$750.00

Dimensions

Rated Capacity	H	H1	L	L1	L2	L3	L4	W	W1	T
kg/in										
100 to 500	2.88	1.00	5.91	3.41	2.92	1.50	0.63	1.50	1.00	M8



Interchangeable Products

VPG® TEDEA-HUNTLEIGH®
 1510..... page 324

Specifications

- Full Scale Output:**
2 mV/V ±5%
- Output Resistance:**
350 (± 10) ohm
- Input Resistance:**
380 (± 20) ohm
- Material/Finish:**
Stainless steel construction with electro-polished finish
- Temperature:**
Operating:
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**
Hermetically sealed, IP69K
- Safe Overload:**
150% full scale
- Rated Excitation:**
5 to 15 VDC
- Insulation Resistance:**
5,000 megohm
- Cable Length:**
3 m
- Cable Color Code:**
Green +Excitation
Black -Excitation
White +Signal
Red -Signal
Blue +Sense
Brown -Sense
Yellow Shield
- Max Platform Size:**
600 × 600 mm
- Warranty:**
One-year limited
- Approvals:**
OIML

FLINTEC®



Picture is a representation of actual product.

Approvals

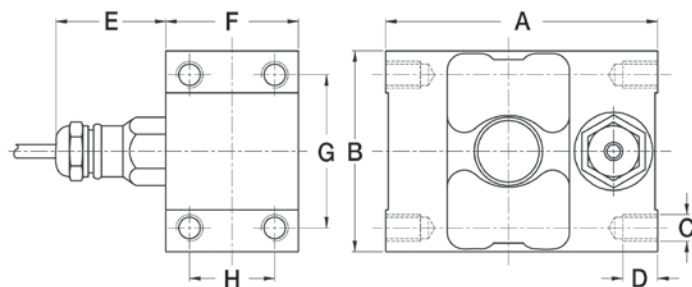


Order Information

Load Rating	Part #	Est. Weight	Price
150 kg	41176	2 lb	\$1,175.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H
kg/mm								
150	101.6	75.0	M10	13.0	41.0	49.5	57.2	31.8



Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

960 (± 50) ohm

Input Resistance:

1,100 (± 50) ohm

Material/Finish:

Stainless steel

Temperature:

Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Hermetically sealed, IP68

Safe Overload:

200% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 15 VDC

Combined Error:

0.02% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

3 m

Cable Diameter:

5.0 mm
Polyurethane jacket

Cable Color Code:

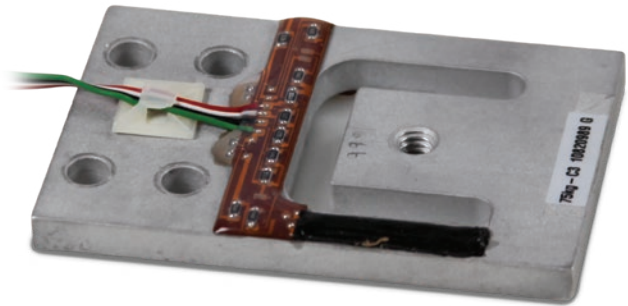
Green +Excitation
Black -Excitation
White +Signal
Red -Signal
Blue +Sense
Brown -Sense
Yellow Shield

Warranty:

One-year limited

Approvals:

FM

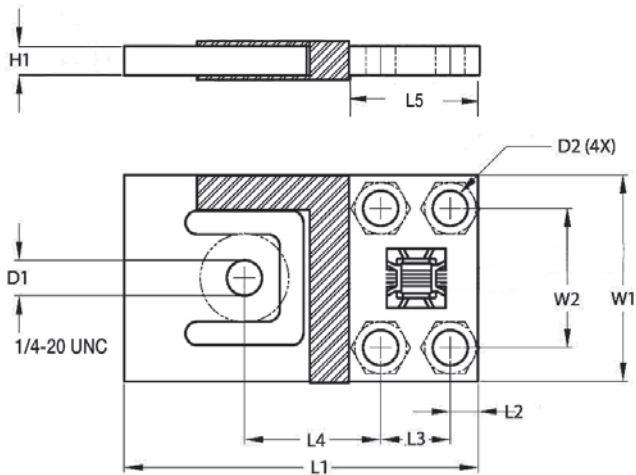


Order Information

Load Rating	Part #	Est. Weight	Price
15 kg	96361	1 lb	\$85.00
37.5 kg	96362	1 lb	\$90.00
75 kg	96363	1 lb	\$96.00
150 kg	96364	1 lb	\$108.00

Dimensions

Rated Capacity	L1	L2	L3	L4	L5	W1	W2	H1	D1	D2	Deflection (mm) at E max
kg/mm											
15	70.0	4.9	14.0	28.0	23.7	39.0	27.8	4.1	7.6	5.1	0.3
37.5	76.2	6.0	15.0	29.3	27.0	44.5	30.0	4.8	7.6	6.6	0.4
75	84.4	6.4	15.0	34.0	27.7	54.8	30.0	6.4	7.6	6.6	0.4
150	107.3	7.8	22.9	45.9	38.4	69.9	44.5	7.9	9.1	8.1	0.6



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS
RLBLPpage 171

Specifications

- Full Scale Output:**
1 mV/V
mV/V/ohm calibration
- Output Resistance:**
1,000 (± 10) ohm
- Input Resistance:**
1,180 (± 50) ohm
- Material/Finish:**
Aluminum
- Temperature:**
Operating:
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**
Environmentally sealed, IP65
- Safe Overload:**
150% full scale
- Rated Excitation:**
5 to 10 VDC
- Combined Error:**
0.060% full scale
- Insulation Resistance:**
5,000 megohm
- Cable Length:**
1.5 m
- Cable Color Code:**
Green +Excitation
Black -Excitation
White +Signal
Red -Signal
Yellow Shield
- Warranty:**
One-year limited

SINGLE-ENDED BEAMS

Page 224

H35, STAINLESS STEEL



Offers all stainless steel construction, an integral mounting foot as well as dimensional and electrical interchangeability with several load cell manufacturers. Available in capacities ranging from 500 to 5,000 lb, with 20 ft of cable.



Page 225

BBS, ALLOY STEEL



Low-cost bending beam load cell designed for precision force and weight measurement. Features excellent performance and protection against adverse environments, alloy steel sensing elements and low mounting sensitivity. Capacities range from 50 to 1,000 lb. Complete with 10 ft of load cell cable.



Page 226

Z6, STAINLESS STEEL



Featuring stainless steel and a welded seal, this bending beam load cell is ideal for harsh or caustic environments and washdown applications. Capacities range from 5 to 200 kg. Complete with 3 m of load cell cable.



ROCKER COLUMN

Page 227

C16A, STAINLESS STEEL



A rocker column load cell specifically designed for high-capacity weighing in the harshest environments. Ideal for truck scale applications, it features all stainless steel construction with IP68 hermetic sealing. Easy to install and maintain. Available in capacities ranging from 20 to 60 t and includes 12 m of load cell cable.



SINGLE POINTS

Page 228

SP4M, ALUMINUM



Low-profile, off-center load cell designed for use in retail, postal and platform scale applications. Manufactured from aluminum and is movement-compensated for guaranteed accuracy. Protected by a quality gauge coating compound that provides a barrier against high-humidity environments. Capacities range from 3 to 100 kg, and comes standard with three meters of load cell cable.



Page 229

PW15, STAINLESS STEEL



A stainless steel, single point load cell with capacities ranging from 15 to 150 kg. Ideal for platform, hanging scale and other low-capacity beam applications. Complete with ten feet of load cell cable.



Page 230

PW15AH, STAINLESS STEEL



The new standard for hermetically sealed, single point load cells. A unique sealing process guarantees moisture protection from high-pressure jets. IP69K rated and available in 10 to 100 kg capacities. Complete with three meters of load cell cable.



Page 231

PWS, STAINLESS STEEL



A single point cell, constructed of stainless steel and designed for performance in harsh, high-shock load environments. Ideal for platform scales as well as packaging and process weighing equipment. Capacities range from 7 to 150 kg. Complete with 10 ft of load cell cable.





Picture is a representation of actual product.

Approvals

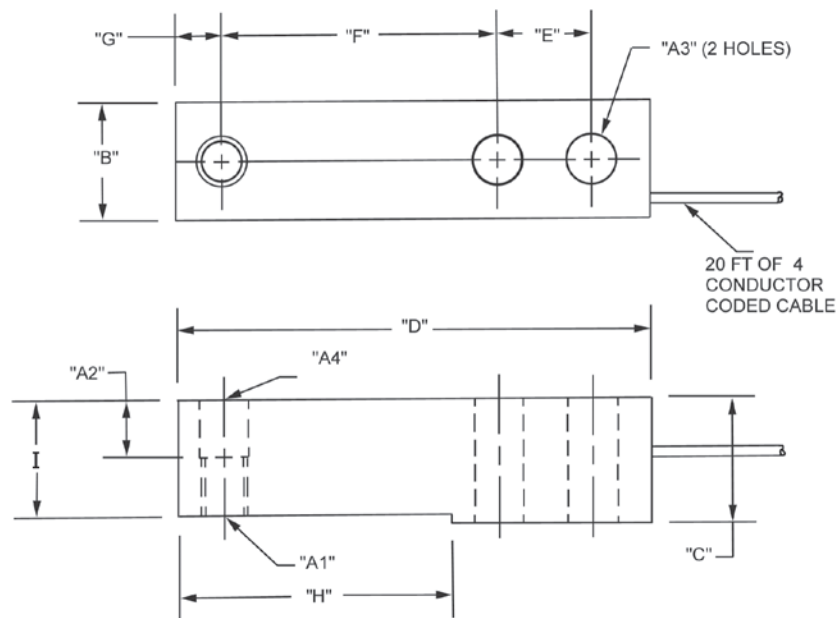


Order Information

Load Rating	Part #	Est. Weight	Price
500 lb	84818	3 lb	\$468.00
1,000 lb	64876	3 lb	\$468.00
2,500 lb	64877	3 lb	\$468.00
4,000 lb	64878	3 lb	\$468.00
5,000 lb	64879	3 lb	\$468.00

Dimensions

Rated Capacity	A1	A2	A3	A4	B	C	D	E	F	G	H	I
lb/in												
500 to 5,000	1/2-20 UNF-2B	0.62	0.53	0.53	1.21	1.19	5.12	1.00	3.00	0.50	2.85	1.12



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RLH35page 112

METTLER TOLEDO®

500lb-8ft cable TB601019-008

1,000lb-20ft cable TB601016-020

2,500lb-8ft cable.. TB601016-008

4,000lb-20ft cable TB601017-020

5,000lb-8ft cable.. TB601018-008

METTLER TOLEDO

500 lb..... TB600830-020

METTLER TOLEDO

1,000 lb.....TB600831-020

METTLER TOLEDO

2,000 lb..... TB600832-020

METTLER TOLEDO

2,500 lb..... TB600833-020

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

350 (± 3) ohm

Input Resistance:

385 ohm nominal

Material/Finish:

Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Welded-seal, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 15 VDC

Combined Error:

0.02% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

20 ft

Cable Diameter:

0.190 in

Polyurethane jacket

Cable Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

Yellow Shield

Warranty:

One-year limited

Approvals:

NTEP

FM



Picture is a representation of actual product.

Approvals

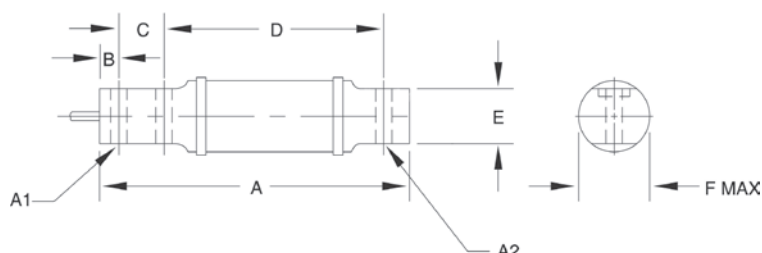


Order Information

Load Rating	Part #	Est. Weight	Price
50 lb	17352	3 lb	\$995.00
100 lb	17353	3 lb	\$995.00
200 lb	17354	3 lb	\$995.00
250 lb	17355	3 lb	\$995.00
500 lb	17356	3 lb	\$995.00
1,000 lb	17357	3 lb	\$995.00

Dimensions

Rated Capacity	A	A1	A2	B	C	D	E	F
lb/in								
50 to 100	6.00	0.31	0.31	0.38	0.88	4.25	1.06	1.25
200 to 1,000	6.63	0.51	0.51	0.50	1.12	4.25	1.06	1.25



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL40BBSpage 121

VPG® SENSORTRONICS®

60007

VPG® BLH®

LBG1

FAIRBANKS®

3-481XX-1, 3-486XX-1

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

750 (± 15) ohm

Input Resistance:

810 (± 10) ohm

Material/Finish:

High-alloy steel, nickel plated

Temperature:

Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP65

Safe Overload:

150% full scale

Safe Sideload:

50% full scale

Rated Excitation:

5 to 15 VDC

Nonlinearity:

0.03% full scale

Hysteresis:

0.03% full scale

Insulation Resistance:

1,000 megohm

Deflection at Capacity:

50 lb: 0.015 in
100 lb: 0.025 in
200 to 250 lb: 0.030 in
500 lb: 0.020 in
1,000 lb: 0.040 in

Cable Length:

10 ft

Cable Diameter:

0.190 in
Polyurethane jacket

Cable Color Code:

Green +Excitation
Black -Excitation
White +Signal
Red -Signal
Yellow Shield

Warranty:

One-year limited

Approvals:

FM



Picture is a representation of actual product.

Approvals



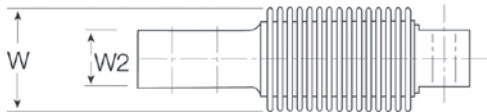
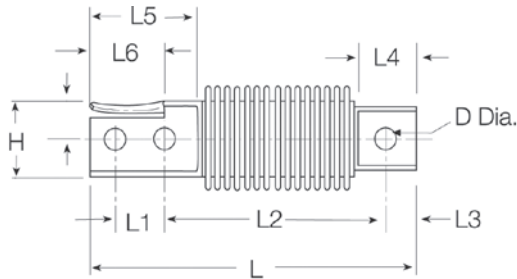
Available upon request

Order Information

Load Rating	Part #	Est. Weight	Price
OIML C3			
10 kg	36173	2 lb	\$895.00
20 kg	36174	2 lb	\$895.00
50 kg	36175	2 lb	\$895.00
100 kg	36176	2 lb	\$895.00
200 kg	36177	2 lb	\$895.00
OIML D1			
5 kg	36172	2 lb	\$895.00

Dimensions

Rated Capacity	H	L	L1	L2	L3	L4	L5	L6	W	W2	D
kg/mm											
5 to 200	31.0	123.0	18.0	82.0	9.9	21.0	45.0	27.9	42.0	20.1	8.2



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS	
RL9018SS	.....page 109
RICE LAKE WEIGHING SYSTEMS	
RLHBB	
VPG® REVERE	
SHB	.....page 253
METTLER TOLEDO®	
MTB	

Specifications

Full Scale Output:	2.0 mV/V
Output Resistance:	356 ohm
Input Resistance:	350 to 400 ohm
Material/Finish:	Stainless steel
Temperature:	Operating: 0 °F to 150 °F (-18 °C to 65 °C)
Seal Type:	Welded-seal, IP68
Safe Overload:	150% full scale
Rated Excitation:	5 to 15 V DC
Combined Error:	0.05% full scale
Insulation Resistance:	5,000 megohm
Cable Length:	3 m
Cable Diameter:	4.8 mm PVC jacket
Cable Color Code:	Blue +Excitation Black -Excitation White +Signal Red -Signal Green +Sense Grey -Sense
Warranty:	One-year limited
Approvals:	OIML FM Ex (available upon request)

Stainless Steel, Hermetically Sealed, NTEP Certified 1:10,000 Class IIIL Multiple Cell/OIML, IP68



Picture is a representation of actual product.

Approvals

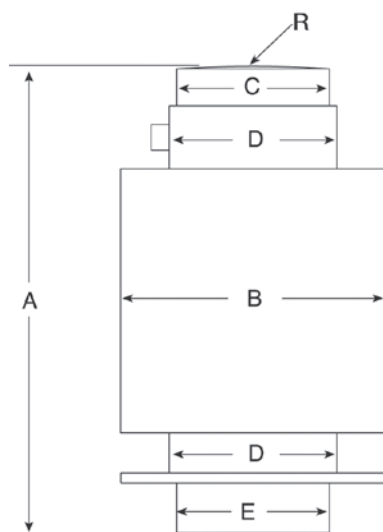


Order Information

Load Rating	Part #	Est. Weight	Price
OIML C3			
20 t	69312	6 lb	\$1,350.00
30 t	69313	6 lb	\$1,350.00
40 t	69314	10 lb	\$1,350.00
60 t	125266	10 lb	\$1,350.00
NTEP Certified			
20 t	106149	6 lb	\$1,350.00
30 t	106150	6 lb	\$1,350.00
40 t	106151	10 lb	\$1,350.00
60 t	125265	10 lb	\$1,350.00

Dimensions

Rated Capacity	A	B	C	D	E	R
t/mm						
20	150.0	76.1	44.0	48.0	44.0	130.0
30	150.0	76.1	44.0	48.0	44.0	160.0
40	150.0	76.1	44.0	48.0	44.0	180.0
60	210.0	76.1	44.0	48.0	44.0	220.0



Specifications

Full Scale Output:2 mV/V \pm 1%**Output Resistance:**706 (\pm 3.5) ohm**Input Resistance:**700 (\pm 20) ohm**Material/Finish:**

Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Hermetically sealed, IP68

Safe Overload:

130% full scale

Rated Excitation:

5 to 15 VDC

Combined Error:

0.03% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

12 m

Cable Diameter:

4.8 mm

Polyurethane jacket

Cable Color Code:

Blue +Excitation

Black -Excitation

White +Signal

Red -Signal

Green +Sense

Grey -Sense

Warranty:

One-year limited

Approvals:

NTEP

OIML



Picture is a representation of actual product.

Approvals

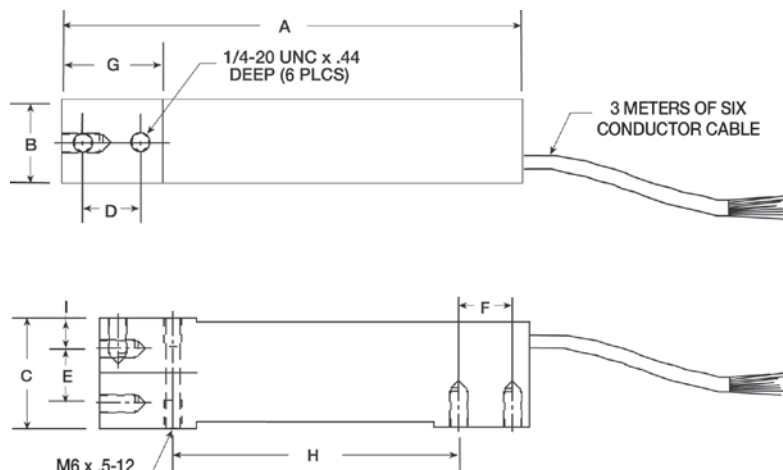


Order Information

Load Rating	Part #	Est. Weight	Price
NTEP Certified			
7 kg	72764	2 lb	\$250.00
15 kg	72767	2 lb	\$250.00
20 kg	72769	2 lb	\$250.00
30 kg	72771	2 lb	\$250.00
50 kg	72776	2 lb	\$250.00
75 kg	72777	2 lb	\$250.00
100 kg	72778	2 lb	\$250.00
OIML with Metric Threads			
3 kg	121396	2 lb	\$250.00
5 kg	121397	2 lb	\$250.00
7 kg	121398	2 lb	\$250.00
10 kg	121399	2 lb	\$250.00
15 kg	121400	2 lb	\$250.00
20 kg	121401	2 lb	\$250.00
30 kg	121402	2 lb	\$250.00
50 kg	121403	2 lb	\$250.00
75 kg	124835	2 lb	\$250.00
100 kg	121404	2 lb	\$250.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	I
kg/mm									
3 to 100	150.3	25.4	39.9	19.1	19.1	19.1	33.8	99.6	11.4



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RLSP4*page 159

RICE LAKE WEIGHING SYSTEMS

RL1042.....page 161

VPG® TEDEA-HUNTLEIGH®

1042.....page 313

*Color code is different

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

350 (± 3) ohm

Input Resistance:

350 ohm

Material/Finish:

Anodized aluminum

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Rated Excitation:

5 to 15 VDC

Combined Error:

0.02% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:

0.015 in

Cable Length:

3 m (9.8 ft)

Cable Diameter:

0.190 in PVC jacket

Cable Color Code:

Blue +Excitation

Black -Excitation

White +Signal

Red -Signal

Green +Sense

Grey -Sense

Warranty:

One-year limited

Approvals:

NTEP

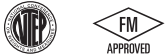
OIML

FM



Picture is a representation of actual product.

Approvals

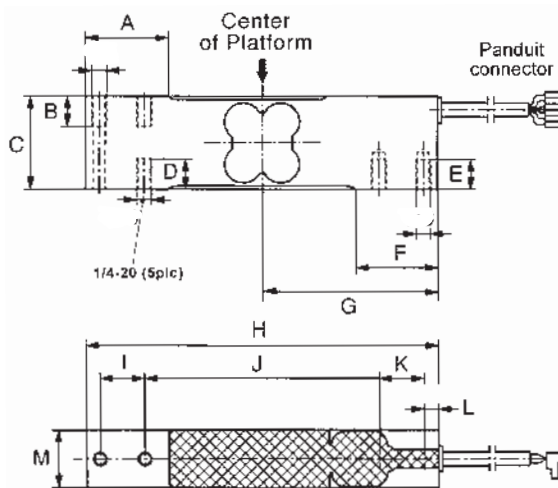


Order Information

Load Rating	Part #	Est. Weight	Price
15 kg	76771	3 lb	\$550.00
20 kg	76772	3 lb	\$550.00
50 kg	76774	3 lb	\$550.00
75 kg	76775	3 lb	\$550.00
100 kg	76776	3 lb	\$550.00
150 kg	84820	3 lb	\$550.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	I	J	K	L	M
kg/mm													
15 to 150	35.0	13.0	40.0	13.0	13.0	35.0	75.0	150.0	19.0	100.0	19.0	6.2	25.0



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RLPWM15.....page 155

VPG® TEDEA-HUNTLEIGH®

1142*page 318

*Color code is different

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

359 (± 5) ohm

Input Resistance:

380 (± 15) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Rated Excitation:

5 to 15 VDC

Total Error:

0.02% full scale

Insulation Resistance:

1,000 megohm

Deflection at Capacity:

0.2 mm

Cable Length:

10 ft

Cable Diameter:

0.190 in PVC jacket

Cable Color Code:

Blue +Excitation

Black -Excitation

White +Signal

Red -Signal

Green +Sense

Grey -Sense

Warranty:

One-year limited

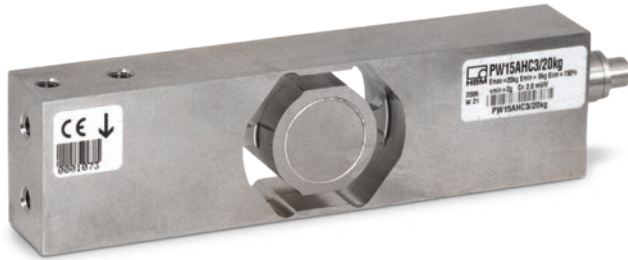
Approvals:

NTEP

FM

SINGLE POINT PW15AH

Stainless Steel, Hermetically Sealed, NTEP Certified 1:5,000 Class III Single Cell, OIML C3, IP69K



Picture is a representation of actual product.

Approvals

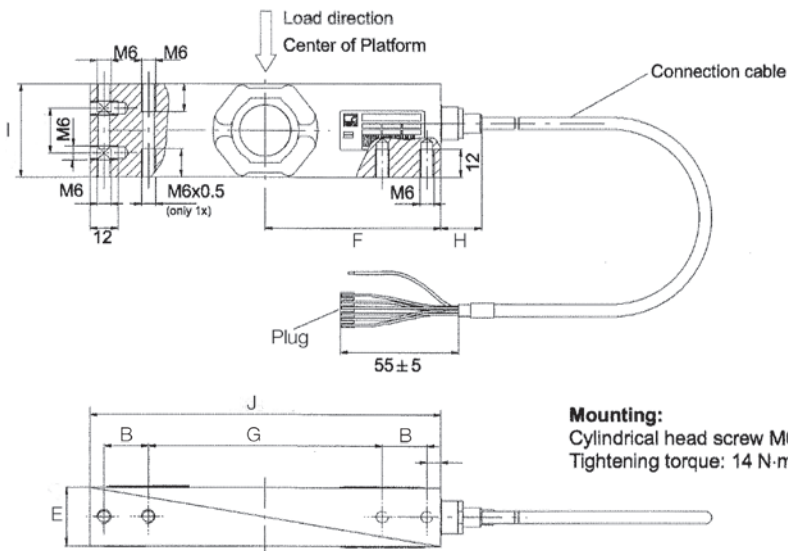


Order Information

Load Rating	Part #	Est. Weight	Price
10 kg	101915	3 lb	\$825.00
20 kg	101916	3 lb	\$825.00
50 kg	101917	3 lb	\$825.00
100 kg	101918	3 lb	\$825.00

Dimensions

Rated Capacity	B	E	F	G	H	I	J
kg/mm							
10 to 100	19.0	25.0	75.0	100.0	17.5	40.0	150.0



Mounting:
Cylindrical head screw M6-10.9
Tightening torque: 14 N·m

Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RLPWM15HE.....page 154

FLINTEC®

PC4.....page 218

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

350 (± 10) ohm

Input Resistance:

380 (± 15) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Hermetically sealed, IP69K

Safe Overload:

150% full scale

Rated Excitation:

5 to 15 VDC

Combined Error:

0.02% full scale

Insulation Resistance:

1,000 megohm

Cable Length:

3 m

Cable Diameter:

5.38 mm

PVC jacket

Cable Color Code:

Blue +Excitation

Black -Excitation

White +Signal

Red -Signal

Green +Sense

Grey -Sense

Warranty:

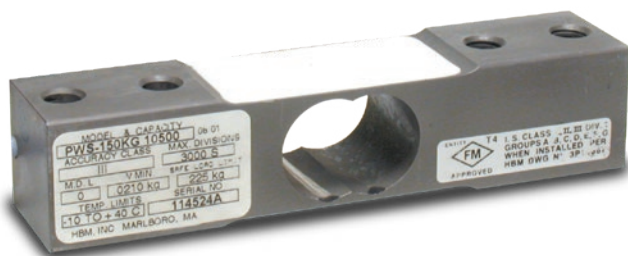
One-year limited

Approvals:

NTEP

OIML

FM



Picture is a representation of actual product.

Approvals

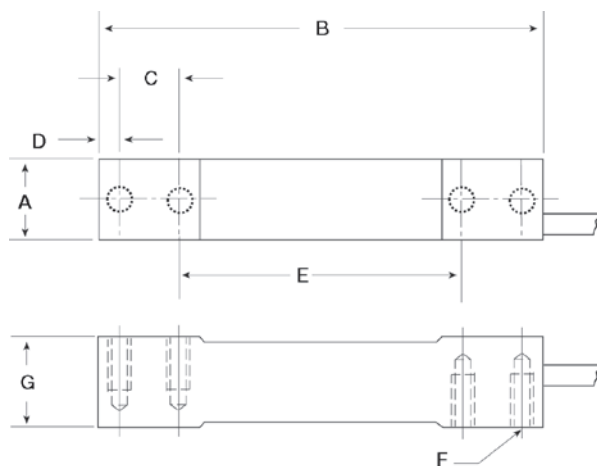


Order Information

Load Rating	Part #	Est. Weight	Price
7 kg	36185	2 lb	\$525.00
10 kg	36186	2 lb	\$525.00
15 kg	36187	2 lb	\$525.00
30 kg	36188	2 lb	\$525.00
60 kg	36189	2 lb	\$525.00
100 kg	68551	2 lb	\$525.00
150 kg	69345	2 lb	\$525.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G
kg/mm							
7 to 15	30.2	139.7	19.1	6.4	88.9	1/4-20 UNC	19.1
30 to 60	30.2	139.7	19.1	6.4	88.9	1/4-20 UNC	23.9
100 to 150	30.2	139.7	22.3	7.8	79.2	3/8-16 UNC	30.7



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL1380..... page 164

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

359 (± 10) ohm

Input Resistance:

390 (± 15) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.03% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:

<0.4 mm full scale

Cable Length:

10 ft

Cable Diameter:

0.190 in

Polyurethane jacket

Cable Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

Yellow Shield

Warranty:

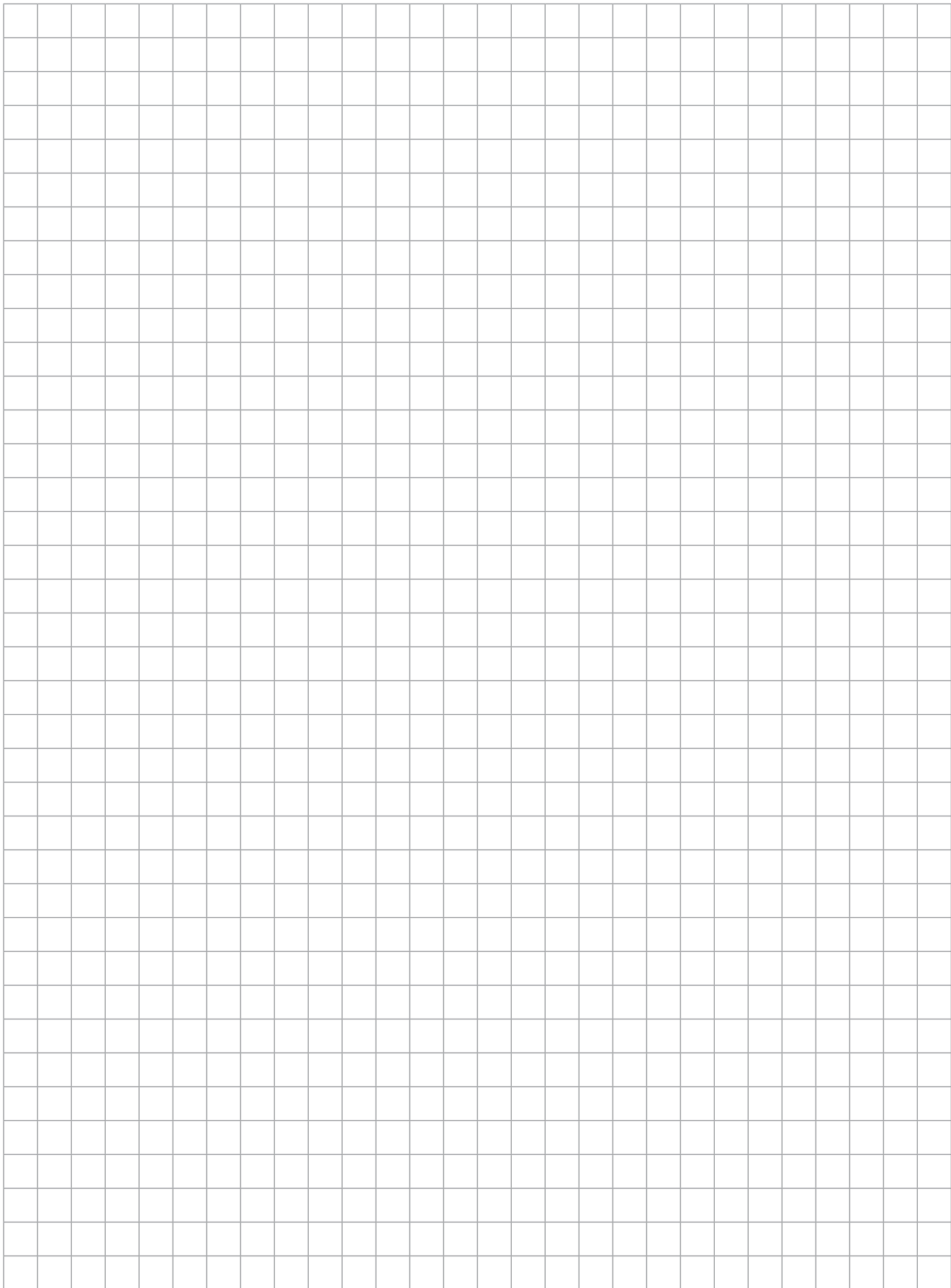
One-year limited

Approvals:

NTEP

OIML

FM



COMPRESSION DISK

Page 234 1200, ALLOY STEEL/ALUMINUM



Resistance to extraneous forces allows for high fatigue life, less stringent mounting alignment and lesser possibility of reading errors. This design permits smaller, portable and compact testing machines. Capacities range from 1,000 to 100,000 lb. Complete with 10 ft of load cell cable.

Page 235 3200, STAINLESS STEEL



Designed specifically for difficult applications in harsh environments, these units incorporate welded stainless steel diaphragms to resist corrosion and seal against moisture intrusion. These load cells provide high accuracy, resistance to off-center loads with minimum error, excellent temperature specifications and low-height envelope for ease of installation. Capacities range from 5,000 to 100,000 lb. Complete with 20 ft of load cell cable.

TENSION/COMPRESSION

Page 236 SML, LOW HEIGHT



This low-height load cell is designed for tension and compression measurement. It features an anodized aluminum construction for capacities ranging from 5 to 300 lb. It is also available in stainless steel for capacities ranging from 500 to 2,000 lb. Features 5 ft of load cell cable.

Page 237 WMC, STAINLESS STEEL, ROD END



Constructed of stainless steel, environmentally sealed and designed for tension or compression. Capacities range from 15,000 to 200,000 lb.

Page 238 WMC MINIATURE SEALED, STAINLESS STEEL



Constructed from stainless steel in capacities ranging from 5 to 10,000 lb. The extremely miniature envelope allows for a wide variety of weighing applications in tension or compression. Features 5 ft of cable.

COMPRESSION DISK
1200 Series

Low-profile Alloy Steel/Aluminum, Environmentally Sealed, IP67



Picture is a representation of model 1211

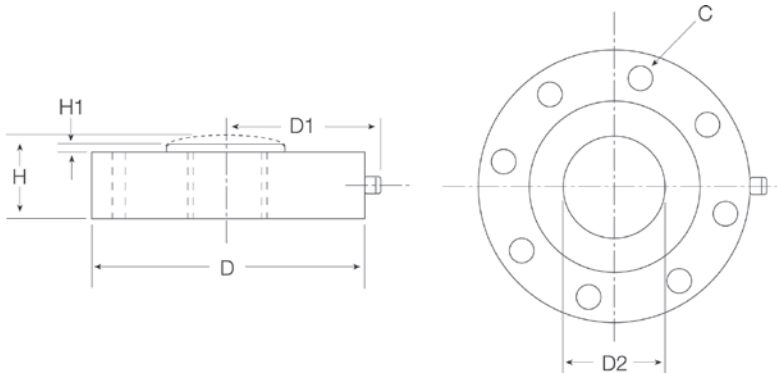
Order Information

Load Rating	Part #	Est. Weight	Price
Aluminum			
Model 1211			
1,000 lb	36132	4 lb	Consult
2,000 lb	36133	4 lb	Consult
Alloy Steel			
Model 1211			
5,000 lb	36134	5 lb	Consult
10,000 lb	36135	5 lb	Consult
Model 1221			
25,000 lb	36136	8 lb	Consult
50,000 lb	36137	8 lb	Consult
Model 1231			
100,000 lb	36138	22 lb	Consult

Consult factory for load cell bases

Dimensions

Rated Capacity	C	D	D1	D2	H	H1
lb/in						
1,000 to 10,000	0.28 dia 8 holes	4.12	2.63	1.34	1.37	0.12
25,000 to 50,000	0.34 dia 4 holes	4.75	2.95	1.57	1.75	0.12
100,000	0.47 dia 12 holes	7.50	4.32	3.12	2.25	0.25



Specifications

- Full Scale Output:**
1,000 to 2,000 lb: 2.0 mV/V
5,000 to 100,000 lb: 4.0 mV/V
- Bridge Resistance:**
350 ohm, nominal
- Material/Finish:**
1,000 to 2,000 lb: Aluminum
5,000 to 100,000 lb: Alloy steel
- Temperature:**
Operating:
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**
Environmentally sealed, IP67
- Safe Overload:**
150% full scale
- Rated Excitation:**
5 to 10 VDC (20 V maximum)
- Nonlinearity:**
0.05% full scale
- Hysteresis:**
0.02 to 0.04% full scale
- Insulation Resistance:**
5,000 megohm
- Cable Length:**
10 ft
- Cable Color Code:**
Red +Excitation
Black -Excitation
Green +Signal
White -Signal
- Warranty:**
Two-year limited

INTERFACE®



Picture is a representation of model 3211

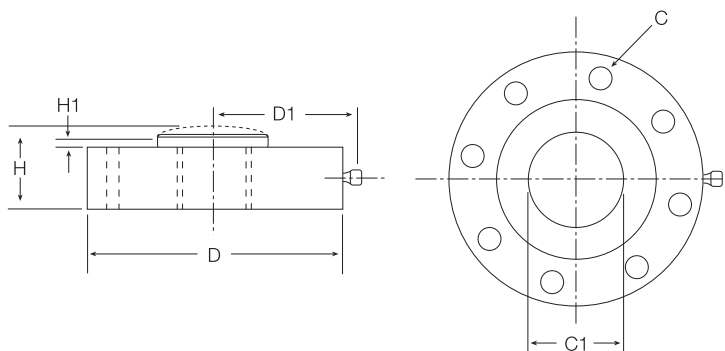
Order Information

Load Rating	Part #	Est. Weight	Price
Model 3211			
5,000 lb	36140	5 lb	Consult
10,000 lb	36141	5 lb	Consult
Model 3221			
25,000 lb	36142	8 lb	Consult
50,000 lb	36143	8 lb	Consult
Model 3231			
100,000 lb	36144	10 lb	Consult

Consult factory for load cell bases

Dimensions

Rated Capacity	C	C1	D	D1	H	H1
lb/in						
5,000 to 10,000	0.28 dia 8 holes	1.34	4.12	2.56	1.37	0.12
25,000 to 50,000	0.34 dia 4 holes	1.57	4.75	2.87	1.75	0.12
100,000	0.47 dia 12 holes	3.12	7.50	4.25	2.25	0.25



Specifications

Full Scale Output:

4.0 mV/V

Bridge Resistance:

350 ohm nominal

Material/Finish:

Stainless steel

Temperature:

Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Hermetically sealed, IP66/68

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC (20 V maximum)

Nonlinearity:

0.05% full scale

Hysteresis:

0.04% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

20 ft

Cable Color Code:

Red +Excitation
Black -Excitation
Green +Signal
White -Signal

Warranty:

Two-year limited



Picture is a representation of actual product

Order Information

Load Rating	Part #	Est. Weight	Price
5 lb	185097	1 lb	Consult
10 lb	185098	1 lb	Consult
25 lb	185099	1 lb	Consult
50 lb	185100	1 lb	Consult
100 lb	185101	1 lb	Consult
200 lb	185102	1 lb	Consult
300 lb	185103	1 lb	Consult
500 lb	185104	1 lb	Consult
1,000 lb	185105	1 lb	Consult
2,000 lb	185106	1 lb	Consult

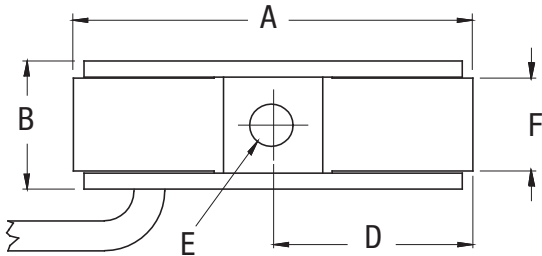
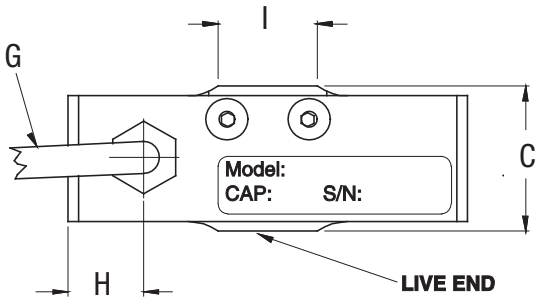
Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	I
lb/in									
5 to 10	1.80	0.52	0.73	0.90	10-32 UNF .20 deep	0.34	0.13	0.29	0.50
25 to 100	2.00	0.64	0.73	1.00	1/4-28 UNF .25 deep	0.46	0.13	0.38	0.50
200 to 1,000	2.12	0.89	0.98	1.06	3/8-24 UNF .38 deep	0.71	0.13	0.46	0.57
2,000	2.80	1.16	1.24	1.40	1/2-20 UNF .49 deep	1.00	0.13	0.75	0.77

Specifications

- Full Scale Output:**
2.0 mV/V
- Bridge Resistance:**
350 ohm nominal
- Material/Finish:**
5 to 300 lb: Aluminum
500 to 2,000 lb: Stainless steel
- Temperature:**
Operating:
-65 °F to 200 °F (-54 °C to 93 °C)
- Safe Overload:**
5 to 10 lb: 800%
25 to 2,000 lb: 150%
- Rated Excitation:**
15 VDC maximum
- Nonlinearity:**
5 to 300 lb: ± 0.05% full scale
500 to 1,000 lb: ± 0.10% full scale
2,000 lb: ± 0.20% full scale
- Hysteresis:**
5 to 300 lb: ± 0.05% full scale
500 to 1,000 lb: ± 0.10% full scale
2,000 lb: ± 0.20% full scale
- Insulation Resistance:**
> 5,000 megohm
- Cable Length:**
5 ft
- Cable Color Code:**
Red +Excitation
Black -Excitation
White +Signal
Green -Signal
- Warranty:**
One-year limited

INTERFACE®





Picture is a representation of actual product

Specifications

Full Scale Output:

2.0 mV/V

Bridge Resistance:

350 ohm nominal

Material/Finish:

Stainless steel

Temperature:

Operating:

-65 °F to 250 °F (-54 °C to 121 °C)

Safe Overload:

150% full scale

Rated Excitation:

15 VDC Max

Nonlinearity:

15 to 30 k: ± 0.10% full scale

100 k: ± 0.15% full scale

200 k: ± 0.20% full scale

Hysteresis:

± 0.15% full scale

Insulation Resistance:

> 5,000 megohm

Connector Pin Out:

A +Excitation

B +Sense

C -Excitation

D -Sense

E -Signal

F +Signal

Warranty:

One-year limited

Order Information

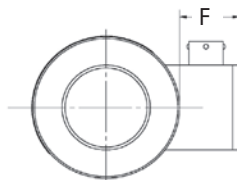
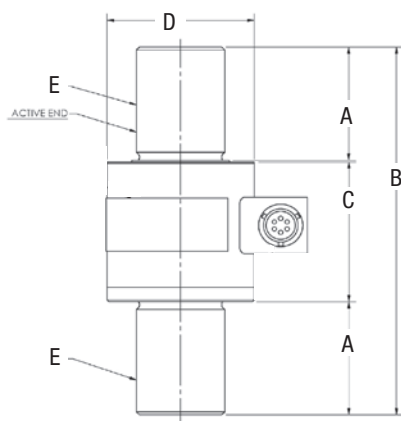
Load Rating	Part #	Est. Weight	Price
15,000 lb	185079	5 lb	Consult
20,000 lb	185080	5 lb	Consult
30,000 lb	185081	5 lb	Consult
50,000 lb	185583	5 lb	Consult
100,000 lb	185082	20 lb	Consult
200,000 lb	185083	40 lb	Consult

Load Cell Cable Option

	Part #	Est. Weight	Price
10 ft cable with PTO6A-10-6S (SR) connector	185459	2 lb	Consult

Dimensions

Rated Capacity	A	B	C	D	E	F
lb/in						
15,000 to 50,000	2.00	6.50	2.47	2.50	1.5-12 UNF	1.01
100,000	3.00	10.00	3.97	3.50	2.50-12 UNF	1.28
200,000	4.00	13.00	4.97	4.47	3.50-8 UNF	1.36



TENSION/COMPRESSION

WMC Miniature Sealed

Stainless Steel



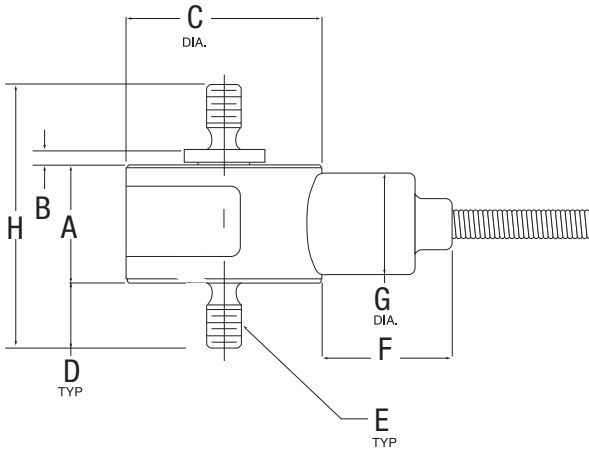
Picture is a representation of actual product

Order Information

Load Rating	Part #	Est. Weight	Price
5 lb	185090	1 lb	Consult
10 lb	185091	1 lb	Consult
25 lb	185092	1 lb	Consult
50 lb	185093	1 lb	Consult
100 lb	185094	1 lb	Consult
250 lb	185095	1 lb	Consult
500 lb	185096	1 lb	Consult
1,000 lb	185084	1 lb	Consult
2,000 lb	185085	1 lb	Consult
3,000 lb	185086	1 lb	Consult
5,000 lb	185087	1 lb	Consult
7,500 lb	185088	1 lb	Consult
10,000 lb	185089	1 lb	Consult

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H
lb/in								
5 to 10	0.45	0.06	0.75	0.25	6-32 UNC	0.50	0.39	1.01
25 to 100	0.52	0.03	1.00	0.25	10-32 UNF	0.50	0.39	1.05
250 to 500	0.53	0.03	1.00	0.38	1/4-28 UNF	0.50	0.39	1.32
1,000	0.53	0.03	1.00	0.38	0.25-28 UNF	0.50	0.39	1.32
2,000 to 3,000	0.72	0.03	1.00	0.50	0.38-24 UNF	0.50	0.39	1.75
5,000	0.94	0.03	1.25	0.63	0.50-20 UNF	0.50	0.39	2.23
7,500 to 10,000	1.09	0.03	1.38	0.88	0.75-16 UNF	0.50	0.39	2.88



Specifications

- Full Scale Output:**
2.0 mV/V
- Bridge Resistance:**
350 ohm nominal
- Material/Finish:**
Stainless steel
- Temperature:**
Operating:
-65 °F to 250 °F (-54 °C to 121 °C)
- Safe Overload:**
150% full scale
- Rated Excitation:**
12 VDC
- Nonlinearity:**
5 to 500 lb: ± 0.15% full scale
1,000 to 10,000 lb: ± 0.20% full scale
- Hysteresis:**
5 to 500 lb: ± 0.15% full scale
1,000 to 10,000 lb: ± 0.20% full scale
- Insulation Resistance:**
> 5,000 megohm
- Cable Length:**
5 ft
- Cable Color Code:**
Red +Excitation
Black -Excitation
White +Signal
Green -Signal
- Warranty:**
One-year limited

S-BEAMS

Page 243

363, ALLOY STEEL



S-beam load cell with a compact and economical design. Ideally suited for scale conversions and general-purpose weighing. NTEP Certified capacities range from 100 to 10,000 lb; non-NTEP Certified capacity of 50 lb. Complete with 20 ft of load cell cable.



Page 244

9363, STAINLESS STEEL



Stainless steel S-beam load cell with trimmed outputs for easy installation. Compact and economical design, ideally suited for scale conversions and general-purpose weighing. NTEP Certified capacities range from 100 to 10,000 lb; non-NTEP Certified capacities of 50, 15,000 and 20,000 lb. Complete with 20 ft of load cell cable. Trimmed outputs make installation easy.



Page 245

BSP, STAINLESS STEEL



Welded-seal stainless steel S-beam load cell designed for compression and tension. Ideal for scale conversions and general-purpose weighing. NTEP Certified capacities range from 100 lb to 5,000 lb; non-NTEP Certified capacity of 10,000 lb. Complete with 30 ft of load cell cable.



SINGLE-ENDED BEAMS

Page 246

5123, ALLOY STEEL



Low-cost, high-performance, single-ended beam designed for low-profile scales and process weighing in both Legal for Trade and non-Legal for Trade applications. Capacities range from 1,000 to 10,000 lb. Complete with 20 ft of load cell cable.



Page 247

9123, STAINLESS STEEL



Single-ended stainless steel beam designed for low-profile scales and process weighing in both Legal for Trade and non-Legal for Trade applications. Capacities range from 250 to 20,000 lb. Complete with 20 ft of load cell cable.



Page 248

9523, STAINLESS STEEL



Single-ended beam offers both welded sealing and stainless steel construction for use in most hostile environments. Applications include platform scales and process weighing. Capacities range from 1,000 to 10,000 lb.



Page 249

ACB, STAINLESS STEEL



Hermetically sealed, stainless steel single-ended shear beam load cell utilizing a 1,000 ohm bridge. Capacities range from 500 to 5,000 kg.



Page 250

9102, STAINLESS STEEL



A form, fit and function match for the VPG Revere 5102. It is constructed out of stainless steel and ideally suited for the toughest industrial applications where high accuracy and low profile are required. Capacities range from 200 to 2,500 lb. Complete with 10 ft of load cell cable.



SINGLE-ENDED BEAMS

Page 251

5102, ALLOY STEEL



Its high accuracy, low profile and redundant sealing make the 5102 well suited for use in small and medium platform scales, and process applications in harsh environments. Capacities range from 100 to 2,500 lb. Complete with 10 ft of load cell cable.

Page 252

5723 LINK BEAM, ALLOY STEEL



This high-performance single-ended beam load cell uses a well-proven link-loading technique. This low-cost and flexible loading method allows load movement without reading error in tanks, hoppers and platform scales. Capacities range from 1,000 to 10,000 lb.



Page 253

SHB, STAINLESS STEEL



The SHB is constructed out of stainless steel and features a welded seal for tough industrial environments where high accuracy and low profiles are required. Capacities range from 20 to 200 kg. Complete with 10 ft of load cell cable.



Page 254

SSB, STAINLESS STEEL



Rugged and precise, this single-ended beam load cell offers welded seal protection and stainless steel construction. Designed for use in the most hostile environments. Applications include platform scales, materials testing and process weighing. NTEP Certified capacities range from 1,000 to 10,000 lb.



DOUBLE-ENDED BEAMS

Page 255

5103, ALLOY STEEL



Designed for truck, track and process weighing. It features high accuracy, low profile, tolerance to non-axial loading and a redundant seal. NTEP Certified capacities range from 5,000 to 250,000 lb. Complete with 30 ft of load cell cable.



Page 256

9103, STAINLESS STEEL



Stainless steel, double-ended beam load cell designed for truck, track and process weighing. It features high-accuracy, a low profile, tolerance to non-axial loading and a redundant seal. NTEP Certified capacities range from 10,000 to 60,000 lb; non-NTEP Certified capacities of 5,000 and 150,000 lb. Complete with 30 ft of load cell cable.



Page 257

5223, ALLOY STEEL



The 5223 is a high-performance end-loaded, center-supported double-ended beam designed for low-profile track and truck scales in harsh environments. Parallel link loading provides free movement in all horizontal directions with virtually no friction. Capacities range from 50,000 to 100,000 lb. Complete with 40 ft of load cell cable. Optional overbraid available.



Page 258

9223, STAINLESS STEEL



High-profile, high accuracy compression type load cell for truck, tank, track and hopper applications. Ideally suited for harsh environments. Each cell comes with 40 ft of load cell cable. Available in 50,000 lb and 125,000 lb capacities.



DOUBLE-ENDED BEAMS

Page 259

9803, STAINLESS STEEL



This center-loaded double-ended beam features full stainless steel construction. Ideal for both truck scale and process weighing applications. Available in 50,000 to 100,000 lb capacities. Each unit is provided with standard 30 ft of load cell cable.



Page 260

9323, STAINLESS STEEL



High-performance end-loaded, center-supported double-ended beam designed for low-profile truck scales in harsh environments. Parallel link loading provides free movement in all horizontal directions with virtually no friction. Available in 50,000 and 60,000 lb capacities with 30 ft of load cell cable.



Page 261

9423, STAINLESS STEEL



Designed for low-profile track and truck scales in harsh environments. Parallel link loading provides free movement in all horizontal directions with virtually no friction. High-performance, end-loaded, center-supported double-ended beam load cell, available in 50,000 and 60,000 lb capacities. Complete with 30 ft of load cell cable.



COMPRESSION CANISTERS

Page 262

ASC, STAINLESS STEEL



Stainless steel, hermetically sealed, single-column compression load cell. An IP68 rating, combined with built-in surge protection, ensures the unit is well-protected. Capacities ranging from 30 to 50 t, OIML approved and comes with 15 m of load cell cable.



Page 263

RLC, STAINLESS STEEL



A low-profile, high-performance ring torsion-type load cell in stainless steel. This product is suitable for small and medium platform scales, as well as process weighing. Capacities range from 0.25 to 10 t.



Page 264

CP, STAINLESS STEEL



This welded-seal, canister load cell is designed for compression service only. High-capacity transducers are built for reliability, durability and extreme precision. Compression Precision (CP) cells are recommended for most industrial applications. Single bridge available for 10,000 to 500,000 lb capacities. Dual bridges available upon request. Complete with 30 ft of load cell cable.



Page 265

CSP, STAINLESS STEEL



This welded-seal, stainless steel canister cell is designed for compression service only. High-capacity transducers are built for reliability, durability and extreme precision. Ideal for applications where ultimate precision is needed. NTEP Certified capacities range from 25,000 lb to 200,000 lb.



Page 266

792, STAINLESS STEEL



Single-column design with low deflection and welded-seal for easy operation. High alloy steel, epoxy coated for use in harsh environments. Capacities range from 50,000 to 200,000 lb. Complete with 35 ft of Polyurethane cable.



SINGLE POINTS

Page 267

462, ALLOY STEEL



High-performance single point cell designed for high-precision counter scales. Resistant to moisture and severe impact loading. Capacities range from 2 to 250 lb. Complete with 10 ft of load cell cable.



Page 268

HPS, STAINLESS STEEL



This stainless steel, welded-seal, low-profile, single point load cell is designed for bench scale and checkweigher applications in caustic or acidic environments. Insensitive to off-center loading and withstands the most severe washdowns. Comes complete with 10 ft of load cell cable.



Page 269

HPSM, STAINLESS STEEL



Low-profile single point load cell with metric envelope designed for bench scale and checkweigher applications in caustic or acidic environments. Insensitive to off-center loading. It withstands the most severe washdowns. Capacities range from 6 to 30 kg. Includes 6 m of load cell cable.



AXLE SCALE
LOAD CELL

Page 270

AX3040, ALLOY STEEL



Constructed of alloy steel, environmentally sealed and used in the AX3040 axle scale.



Picture is a representation of actual product

Approvals

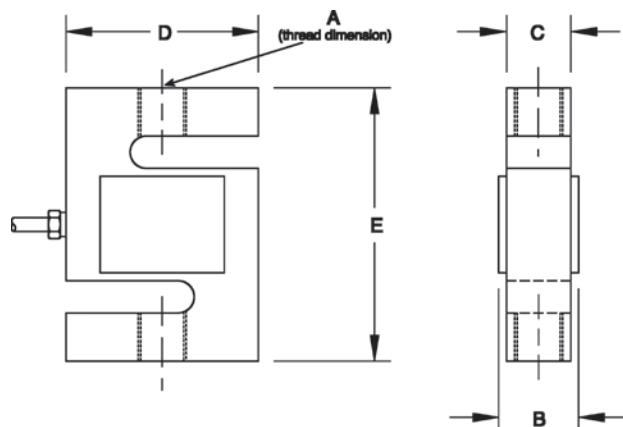


Order Information

Load Rating	Part #	Est. Weight	Price
NTEP Certified			
100 lb	21463	2 lb	\$315.00
200 lb	21464	2 lb	\$315.00
300 lb	21465	2 lb	\$315.00
500 lb	21466	2 lb	\$315.00
750 lb	21467	2 lb	\$315.00
1,000 lb	21468	2 lb	\$315.00
1,500 lb	21469	2 lb	\$315.00
2,000 lb	21470	2 lb	\$315.00
3,000 lb	21471	4 lb	\$315.00
5,000 lb	21472	4 lb	\$498.00
10,000 lb	21473	4 lb	\$498.00
Non-NTEP Certified			
50 lb	17043	2 lb	\$315.00

Dimensions

Rated Capacity	A	B	C	D	E
lb/in					
50 to 300	1/4-28 UNF	0.65	0.50	2.00	2.50
500 to 1,500	1/2-20 UNF	0.90	0.75	2.00	2.50
2,000	1/2-20 UNF	1.15	1.00	2.00	2.50
3,000	1/2-20 UNF	1.15	1.00	3.00	4.00
5,000 to 10,000	3/4-16 UNF	1.15	1.00	3.00	4.00



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL20000I..... page 94

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

ITCM Isolated
Tension Cell Mount.....page 34

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

350 (± 3.5) ohm

Input Resistance:

390 (± 15) ohm

Material/Finish:

High alloy, nickel plated

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.02% full scale

Non-repeatability:

0.01% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

20 ft

Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

Warranty:

One-year limited

Approvals:

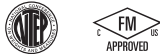
NTEP 87-063

cFMus



Picture is a representation of actual product

Approvals

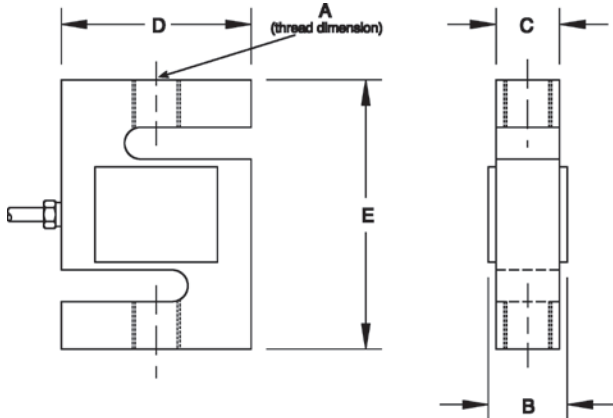


Order Information

Load Rating	Part #	Est. Weight	Price
NTEP Certified			
100 lb	31317	2 lb	\$315.00
200 lb	31316	2 lb	\$315.00
300 lb	31315	2 lb	\$315.00
500 lb	31314	2 lb	\$315.00
750 lb	31313	2 lb	\$315.00
1,000 lb	31312	2 lb	\$315.00
1,500 lb	31311	2 lb	\$315.00
2,000 lb	31310	2 lb	\$315.00
2,500 lb	98875	3 lb	\$315.00
3,000 lb	31309	4 lb	\$425.00
5,000 lb	31318	4 lb	\$515.00
10,000 lb	31308	4 lb	\$595.00
Non-NTEP Certified			
50 lb	17076	2 lb	\$315.00
15,000 lb	165260	7 lb	\$725.00
20,000 lb	165261	13 lb	\$965.00

Dimensions

Rated Capacity	A	B	C	D	E
lb/in					
50 to 300	1/4-28 UNF	0.65	0.46	2.00	2.40
500 to 1,500	1/2-20 UNF	0.90	0.71	2.00	2.40
2,000 to 2,500	1/2-20 UNF	1.13	0.96	2.00	2.40
3,000	1/2-20 UNF	1.13	0.96	3.00	3.90
5,000	3/4-16 UNF	1.15	0.96	3.00	3.90
10,000	3/4-16 UNF	1.40	1.21	2.94	3.90
15,000	1-14 UNS	1.63	1.46	3.44	5.50
20,000	1 1/4-12 UNF	1.88	1.68	4.44	7.00



Interchangeable Products

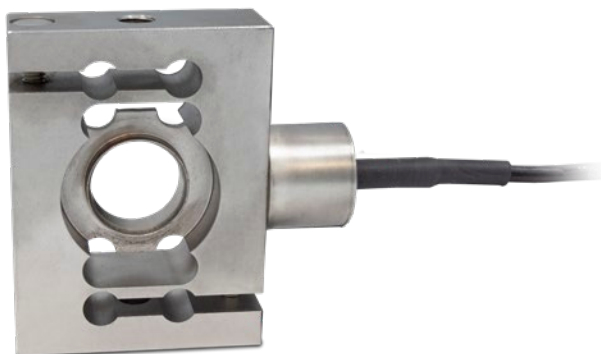
RICE LAKE WEIGHING SYSTEMS
RL20000SS page 95
RICE LAKE WEIGHING SYSTEMS
RL20000ST page 96

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS
**ITCM Isolated
Tension Cell Mount**.....page 34

Specifications

Full Scale Output:
3.0 mV/V
Output Resistance:
350 (± 3.5) ohm
Input Resistance:
390 (± 15) ohm
Material/Finish:
Stainless steel
Temperature:
Compensated:
14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 150 °F (-18 °C to 65 °C)
Seal Type:
Environmentally sealed, IP67
Safe Overload:
150% full scale
Rated Excitation:
5 to 10 VDC (15 V maximum)
Combined Error:
0.025% full scale
Non-repeatability:
0.01% full scale
Insulation Resistance:
5,000 megohm
Cable Length:
20 ft
Cable Color Code:
Red +Excitation
Black -Excitation
Green +Signal
White -Signal
Warranty:
One-year limited
Approvals:
NTEP
cFMus



Picture is a representation of actual product

Approvals

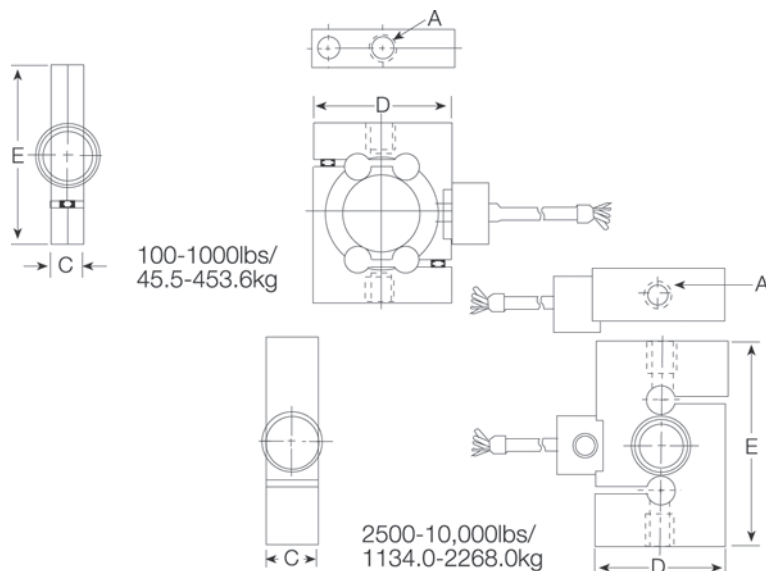


Order Information

Load Rating	Part #	Est. Weight	Price
NTEP Certified			
100 lb	21447	3 lb	\$965.00
250 lb	21448	3 lb	\$965.00
500 lb	21449	3 lb	\$965.00
1,000 lb	21450	3 lb	\$965.00
2,500 lb	21451	4 lb	\$995.00
5,000 lb	21452	6 lb	\$1,025.00
Non-NTEP Certified			
10,000 lb	17032	6 lb	\$1,025.00

Dimensions

Rated Capacity	A	C	D	E
lb/in				
100 to 250	3/8-24 UNF	0.94	2.48	3.32
500	1/2-20 UNF	0.71	2.44	3.50
1,000	1/2-20 UNF	0.71	2.44	3.50
2,500	1/2-20 UNF	0.95	2.44	3.75
5,000 to 10,000	1-14 UNS	1.44	2.44	4.75



Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

ITCM Isolated

Tension Cell Mount.....page 34

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

350 (± 3.5) ohm

Input Resistance:

350 (± 3.5) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Welded-seal, IP67

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.03% full scale

Non-repeatability:

0.01% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

30 ft

Cable Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

Warranty:

One-year limited

Approvals:

NTEP

cFMus



Picture is a representation of actual product

Approvals

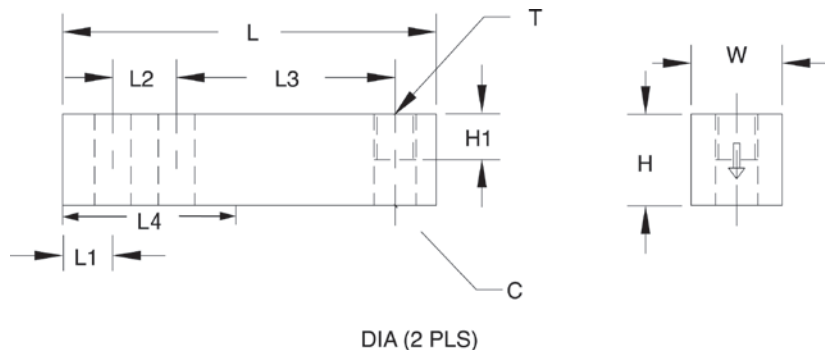


Order Information

Load Rating	Part #	Est. Weight	Price
1,000 lb	21516	3 lb	\$315.00
2,500 lb	21517	3 lb	\$315.00
4,000 lb	21518	3 lb	\$315.00
5,000 lb	21519	8 lb	\$410.00
10,000 lb	21520	8 lb	\$410.00

Dimensions

Rated Capacity	C	H	H1	L	L1	L2	L3	L4	T	W
lb/in										
1,000 to 4,000	0.53	1.25	0.62	5.12	0.62	1.00	3.00	2.25	1/2-20 UNF	1.25
5,000 to 10,000	0.78	1.50	0.75	6.75	0.75	1.50	3.75	3.12	3/4-16 UNF	1.50



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL30000Ipage 110

RICE LAKE WEIGHING SYSTEMS

RL32018page 102

VPG® TEDEA-HUNTLEIGH®

3411 page 306

ARTECH®

30310

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

RL50210TApage 37

RICE LAKE WEIGHING SYSTEMS

RL1800 Series page 48

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

352 (± 3) ohm

Input Resistance:

350 (± 7) ohm

Material/Finish:

Alloy steel, nickel plated

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.025% full scale

Non-repeatability:

0.01% full scale

Insulation Resistance:

1,000 megohm

Deflection at Capacity:

1,000 lb: 0.016 in

2,500 lb: 0.03 in

4,000 lb: 0.04 in

5,000 lb: 0.035 in

10,000 lb: 0.042 in

Cable Length:

20 ft

Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

Warranty:

One-year limited

Approvals:

NTEP

cFMus

Stainless Steel, Environmentally Sealed, NTEP Certified 1:5,000 Class III Multiple Cell, IP67



Picture is a representation of actual product

Approvals



Order Information

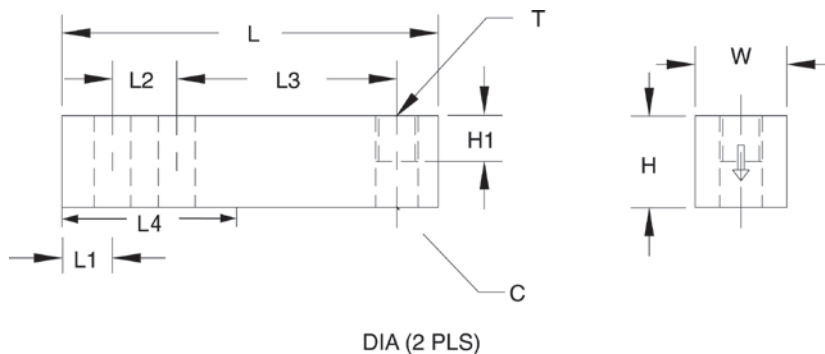
Load Rating	Part #	Est. Weight	Price
NTEP Certified			
250 lb*	69380	3 lb	\$315.00
500 lb*	69381	3 lb	\$315.00
1,000 lb*	69382	3 lb	\$315.00
2,000 lb*	99314	3 lb	\$315.00
2,500 lb	69383	3 lb	\$315.00
4,000 lb	69384	3 lb	\$315.00
5,000 lb SE	69385	3 lb	\$315.00
5,000 lb LE	69386	8 lb	\$410.00
10,000 lb	69387	8 lb	\$410.00
15,000 lb	69388	8 lb	\$695.00
20,000 lb	69389	9 lb	\$695.00
Conduit Adapters (must be factory installed to maintain warranty)			
1/4-18 NPT	31534	1 lb	\$40.00

SE=small envelope; LE=large envelope

* Load cell has an integral foot

Dimensions

Rated Capacity	C	H	H1	L	L1	L2	L3	L4	T	W
lb/in										
250 to 5,000 SE	0.53	1.23	0.67	5.12	0.62	1.00	3.00	2.25	1/2-20 UNF	1.23
5,000 LE to 15,000	0.78	1.45	0.70	6.75	0.75	1.50	3.75	3.12	3/4-16 UNF	1.50
20,000	1.06	1.95	0.98	8.75	1.00	2.00	4.75	4.00	1-12 UNF	1.95



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS	
RL39123**	.....page 113
RICE LAKE WEIGHING SYSTEMS	
RL32018S	.....page 104
RICE LAKE WEIGHING SYSTEMS	
RL32018S-HE	.....page 106

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS	
RL50210TA	.....page 37
RICE LAKE WEIGHING SYSTEMS	
RL1800 Series	.....page 48

** Non-NTEP Certified

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

350 (± 3.5) ohm

Input Resistance:

350 (± 3.5) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:

0 °F to 150 °F (-18 °C to 65 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.02% full scale

Non-repeatability:

0.01% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

20 ft

Cable Color Code:

Red +Excitation
 Black -Excitation
 Green +Signal
 White -Signal

Warranty:

One-year limited

Approvals:

NTEP
 cFMus



Picture is a representation of actual product

Approvals

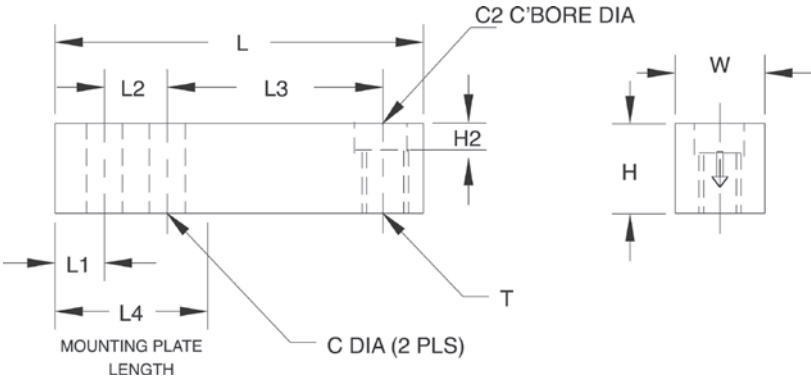


Order Information

Load Rating	Part #	Est. Weight	Price
1,000 lb	17221	3 lb	\$585.00
2,500 lb	17222	3 lb	\$585.00
4,000 lb	17223	3 lb	\$585.00
5,000 lb	17224	5 lb	\$645.00
10,000 lb	17225	5 lb	\$675.00

Dimensions

Rated Capacity	C	C2	H	H2	L	L1	L2	L3	L4	T	W
lb/in											
1,000 to 4,000	0.53	0.81	1.25	0.56	6.12	1.62	1.00	3.00	3.38	1/2-20 UNF	1.25
5,000 to 10,000	0.78	1.19	1.50	0.59	7.71	1.71	1.50	3.75	4.08	3/4-16 UNF	1.50



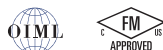
Specifications

- Full Scale Output:** 3.0 mV/V
- Output Resistance:** 350 (± 3.5) ohm
- Input Resistance:** 350 (± 3.5) ohm
- Material/Finish:** Stainless steel
- Temperature:** Operating: 0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:** Welded-seal, IP67
- Safe Overload:** 150% full scale
- Safe Sideload:** 100% full scale
- Rated Excitation:** 5 to 10 VDC (15 V maximum)
- Non-repeatability:** 0.01% full scale
- Combined Error:** 0.03% full scale
- Insulation Resistance:** 5,000 megohm
- Deflection at Capacity:** 1,000 lb: 0.016 in
2,500 lb: 0.03 in
4,000 lb: 0.041 in
5,000 lb: 0.035 in
10,000 lb: 0.042 in
- Cable Length:** 20 ft
- Cable Color Code:** Red +Excitation
Black -Excitation
Green +Signal
White -Signal
- Warranty:** One-year limited
- Approvals:** cFMus



Picture is a representation of actual product

Approvals

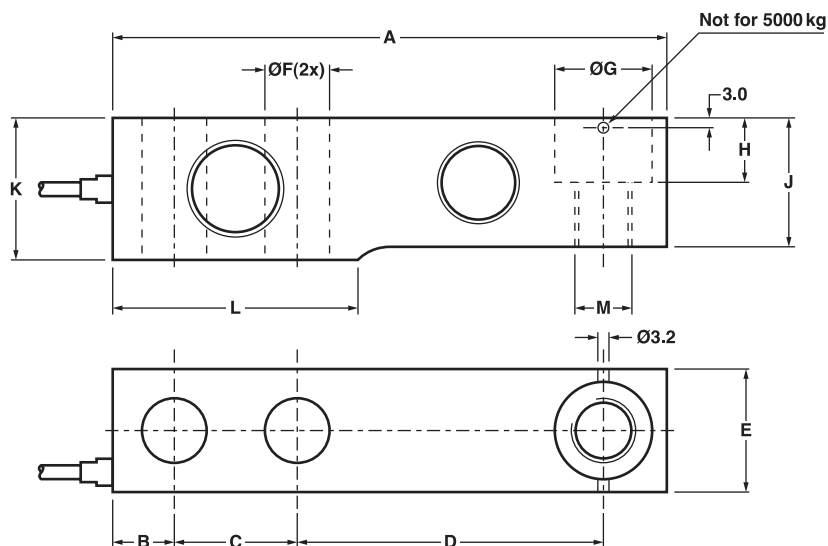


Order Information

Load Rating	Part #	Est. Weight	Price
500 kg	166750	2 lb	\$550.00
1,000 kg	166751	2 lb	\$550.00
2,000 kg	166752	3 lb	\$550.00
5,000 kg	166753	4 lb	\$585.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	J	K	L	M
kg/mm												
500	130.0	15.5	25.4	76.2	31.8	13.0	20.5	14.2	26.0	31.8	57.1	M12
1,000	130.0	15.5	25.4	76.2	31.8	13.0	20.5	14.2	28.0	31.8	57.1	M12
2,000	130.0	15.5	25.4	76.2	31.8	13.0	20.5	14.2	32.0	35.8	57.1	M12
5,000	172.0	19.1	38.1	95.3	38.0	20.5	30.2	20.0	40.0	44.0	76.2	M20



Specifications

Full Scale Output:

2mV/V

Output Resistance:

1,000 (± 10) ohm

Input Resistance:

1,000 (± 50) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Hermetically sealed, IP68

Safe Overload:

150% full scale

Rated Excitation:

5 to 12 VDC

Combined Error:

0.02%

Insulation Resistance:

5,000 megohm

Cable Length:

500 to 1,000 kg: 3 m

2,000 to 5,000 kg: 6 m

Cable Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

Yellow +Sense

Blue -Sense

Warranty:

One-year limited

Approvals:

OIML

cFMus



Picture is a representation of actual product

Approvals

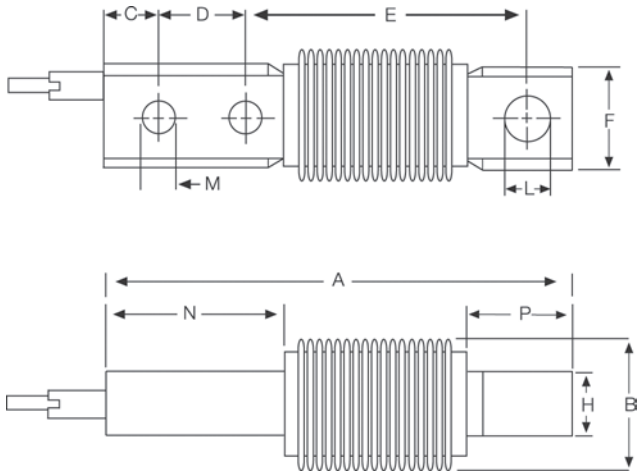


Order Information

Load Rating	Part #	Est. Weight	Price
200 lb	40917	2 lb	\$850.00
500 lb	40918	2 lb	\$850.00
1,000 lb	40919	2 lb	\$850.00
2,500 lb	40920	2 lb	\$850.00

Dimensions

Rated Capacity	A	B	C	D	E	F	H	L	M	N	P
lb/in											
200	5.00	1.53	0.38	0.62	3.50	1.22	0.75	0.39	0.27	1.50	1.25
500 to 1,000	5.38	1.53	0.62	1.00	3.25	1.22	0.75	0.40	0.40	2.07	1.20
2,500	5.38	1.53	0.62	1.00	3.25	1.22	0.75	0.53	0.40	2.07	1.20



Interchangeable Products

VPG® REVERE

5102 page 251

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

350 (± 3.5) ohm

Input Resistance:

350 (± 3.5) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Welded-seal, IP66/68

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.03% full scale

Non-repeatability:

0.01% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:

200 lb: 0.020 in

500 to 2,500 lb: 0.026 in

Cable Length:

10 ft

Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

Warranty:

One-year limited

Approvals:

NTEP

cFMus



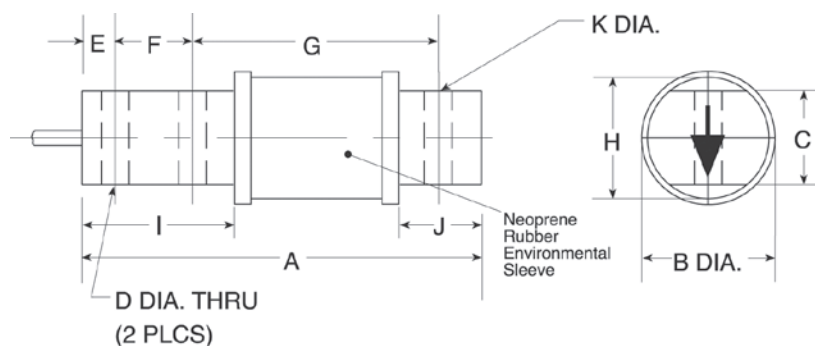
Picture is a representation of actual product

Order Information

Load Rating	Part #	Est. Weight	Price
100 lb	21710	2 lb	\$525.00
200 lb	21711	2 lb	\$525.00
500 lb	21712	2 lb	\$525.00
1,000 lb	21713	2 lb	\$550.00
2,500 lb	21714	2 lb	\$550.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	I	J	K
lb/in											
50 to 200	5.00	1.25	0.75	0.27	0.38	0.62	3.50	1.23	1.50	1.25	0.39
500 to 1,000	5.38	1.25	0.75	0.41	0.62	1.00	3.25	1.23	2.07	1.20	0.41
2,500	5.38	1.25	0.75	0.41	0.62	1.00	3.25	1.23	2.07	1.20	0.53



Interchangeable Products

VPG® REVERE

9102 page 250

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

350 (± 3.5) ohm

Input Resistance:

350 (± 3.5) ohm

Material/Finish:

High-alloy steel, nickel plated

Temperature:

Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed with neoprene sleeve, IP67

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.03% full scale

Non-repeatability:

0.01% full scale

Insulation Resistance:

5,000 megohms

Deflection at Capacity:

100 to 200 lb: 0.020 in
500 to 2,500 lb: 0.026 in

Cable Length:

10 ft

Cable Color Code:

Red +Excitation
Black -Excitation
Green +Signal
White -Signal

Warranty:

One-year limited



Picture is a representation of actual product

Approvals

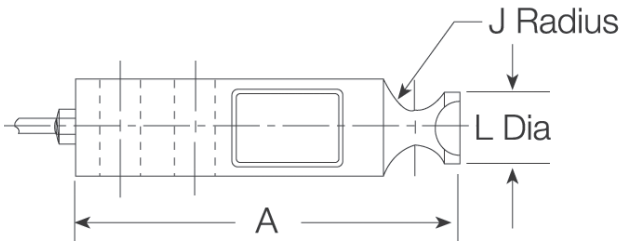
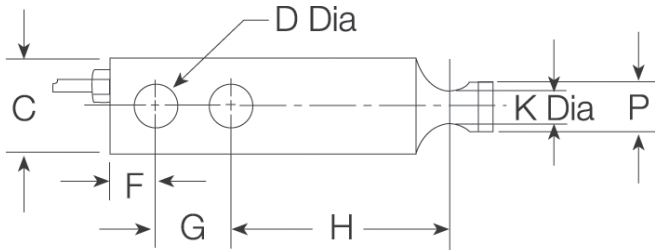


Order Information

Load Rating	Part #	Est. Weight	Price
1,000 lb	31396	3 lb	\$550.00
1,500 lb	79713	3 lb	\$550.00
2,500 lb	31397	3 lb	\$650.00
4,000 lb	31398	3 lb	\$650.00
5,000 lb	31399	4 lb	\$725.00
10,000 lb	31400	4 lb	\$725.00

Dimensions

Rated Capacity	A	C	D	F	G	H	J	K	L	P
lb/in										
1,000 to 4,000	5.12	1.25	0.53	0.62	1.00	3.00	0.44	0.60	0.92	0.62
5,000 to 10,000	6.75	1.50	0.78	0.75	1.50	3.75	0.56	0.86	1.20	0.90



Interchangeable Products

ARTECH®
30410

Specifications

- Full Scale Output:**
3.0 mV/V
- Output Resistance:**
350 (± 3.5) ohm
- Input Resistance:**
350 (± 3.5) ohm
- Material/Finish:**
High-alloy steel
- Temperature:**
Compensated:
14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**
Environmentally sealed, IP67
- Safe Overload:**
150% full scale
- Safe Sideload:**
100% full scale
- Rated Excitation:**
5 to 10 V
- Combined Error:**
0.02% full scale
- Non-repeatability:**
0.01% full scale
- Insulation Resistance:**
5,000 megohm
- Deflection at Capacity:**
1,000 lb: 0.016 in
2,500 lb: 0.03 in
4,000 lb: 0.04 in
5,000 lb: 0.035 in
10,000 lb: 0.042 in
- Cable Length:**
20 ft
- Cable Color Code:**
Red +Excitation
Black -Excitation
Green +Signal
White -Signal
- Warranty:**
One-year limited
- Approvals:**
NTEP
cFMus



Picture is a representation of actual product

Approvals

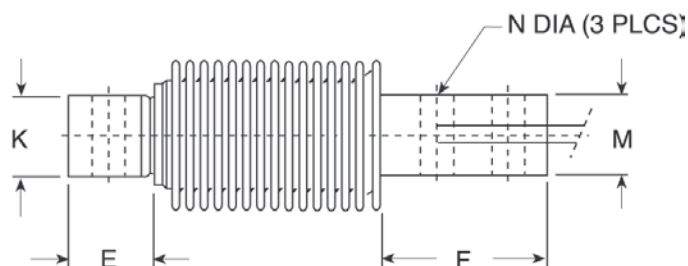
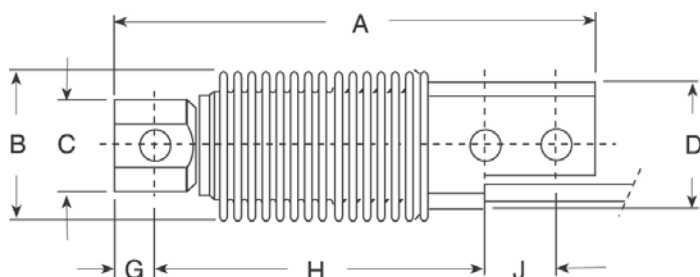


Order Information

Load Rating	Part #	Est. Weight	Price
20 kg	28801	2 lb	\$475.00
50 kg	28802	2 lb	\$475.00
100 kg	28803	2 lb	\$475.00
200 kg	28804	2 lb	\$475.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	J	K	M	N
kg/mm												
20 to 200	120.0	38.0	22.9	31.7	21.2	42.0	10.0	82.0	18.0	20.0	20.0	8.20



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL9018SS page 109

HBK®

Z6 page 226

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

350 (± 3.5) ohm

Input Resistance:

460 (± 3.5) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Welded-seal, IP67

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.02% full scale (SHB-A3)

Non-repeatability:

0.01% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:

0.4 mm

Cable Length:

3 m

Cable Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

Warranty:

One-year limited

Approvals:

NTEP

cFMus



Picture is a representation of actual product

Approvals

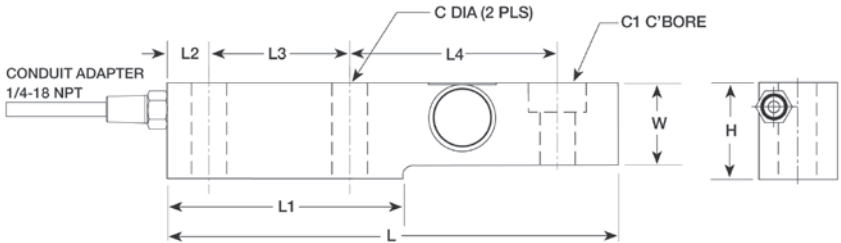


Order Information

Load Rating	Part #	Est. Weight	Price
1,000 lb	21538	5 lb	\$825.00
2,000 lb	21539	5 lb	\$825.00
5,000 lb	21540	5 lb	\$825.00
10,000 lb	21541	10 lb	\$1,095.00

Dimensions

Rated Capacity	C	W	C1	H	L	L1	L2	L3	L4	CONDUIT ADAPTER
lb/in										
1,000 to 5,000	0.53	1.44	1.19 x 0.56 DP	1.88	8.00	4.00	0.75	2.50	3.87	1/4-18NPT
10,000	0.88	1.88	1.63 x 0.62 DP	2.75	9.25	4.62	0.81	2.62	4.87	1/4-18NPT



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS
RLSSB.....page 116
HBK®
SB3.....Discontinued

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS
RL1900 Series.....page 51

Specifications

Full Scale Output:
2.0 mV/V

Output Resistance:
350 (± 3.5) ohm

Input Resistance:
350 (± 3.5) ohm

Material/Finish:
Stainless steel

Temperature:
Compensated:
14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:
Welded-seal, IP67

Safe Overload:
150% full scale

Safe Sideload:
100% full scale

Rated Excitation:
5 to 10 VDC (15 V maximum)

Combined Error:
0.02% full scale

Non-repeatability:
0.01% full scale

Insulation Resistance:
5,000 megohm

Deflection at Capacity:
0.018 in

Cable Length:
15 ft

Cable Color Code:
Green +Excitation
Black -Excitation
White +Signal
Red -Signal

Warranty:
One-year limited

Approvals:
NTEP
cFMus



Picture is a representation of actual product

Approvals

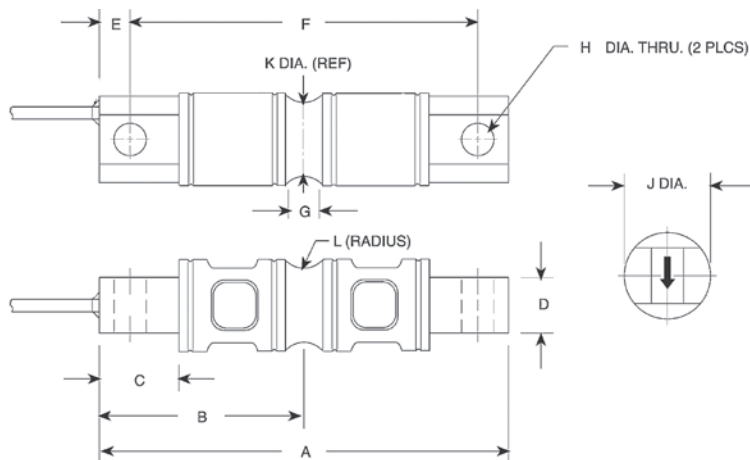


Order Information

Load Rating	Part #	Est. Weight	Price
5,000 lb	34494	5 lb	\$698.00
10,000 lb	34495	5 lb	\$698.00
20,000 lb	34496	6 lb	\$698.00
30,000 lb	34497	19 lb	\$815.00
40,000 lb	34498	19 lb	\$815.00
50,000 lb	34499	19 lb	\$910.00
60,000 lb	34500	19 lb	\$910.00
75,000 lb	159506	19 lb	\$910.00
100,000 lb	34501	30 lb	\$1,575.00
150,000 lb	17292	35 lb	\$1,575.00
200,000 lb	17293	46 lb	\$2,975.00
250,000 lb	17294	92 lb	\$2,975.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	J	K	L
lb/in											
5,000 to 10,000	8.12	4.06	1.44	1.12	0.62	6.87	0.62	0.65	1.70	1.48	0.50
20,000	8.12	4.06	1.44	1.12	0.62	6.87	0.84	0.65	1.95	1.48	0.50
30,000 to 75,000	10.25	5.12	1.88	2.37	0.88	8.50	1.00	1.06	3.00	2.73	1.00
100,000	11.25	5.62	1.88	2.50	0.88	9.50	1.00	1.06	3.50	3.24	1.50
150,000	11.25	5.62	1.88	2.80	0.88	9.50	1.25	1.06	3.90	3.64	1.50
200,000 to 250,000	16.10	8.05	3.05	4.60	1.55	13.00	1.30	1.55	5.375	5.17	2.00



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL70000

RL72020.....page 124

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

EZ Mount 1.....page 61

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

700 (± 7) ohm

Input Resistance:

700 (± 7) ohm

Material/Finish:

High-alloy steel, nickel plated

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Non-repeatability:

0.01% full scale

Combined Error:

0.025% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:

5,000 lb: 0.02 in

10,000 lb: 0.025 in

20,000 lb: 0.042 in

30,000 to 50,000 lb: 0.02 in

60,000 lb: 0.025 in

100,000 to 150,000 lb: 0.02 in

200,000 to 250,000 lb: 0.035 in

Cable Length:

30 ft

Cable Diameter:

0.295 in

Polyurethane jacket

Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

Warranty:

One-year limited

Approvals:

NTEP

cFMus



Picture is a representation of actual product

Approvals

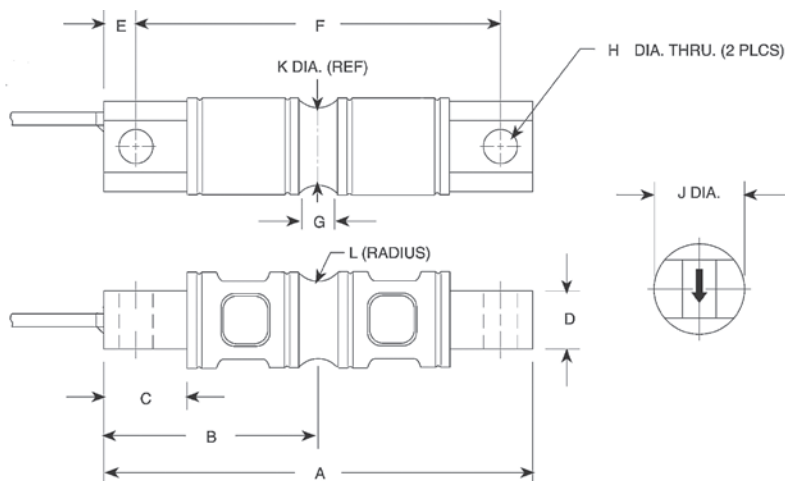


Order Information

Load Rating	Part #	Est. Weight	Price
NTEP Certified			
10,000 lb	17329	5 lb	\$995.00
20,000 lb	17330	5 lb	\$995.00
30,000 lb	17331	19 lb	\$1,195.00
40,000 lb	17332	19 lb	\$1,625.00
50,000 lb	17333	19 lb	\$1,395.00
60,000 lb	17334	19 lb	\$1,395.00
Non-NTEP Certified			
5,000 lb	17328	5 lb	\$925.00
150,000 lb	17336	30 lb	\$2,695.00
Conduit Adapter Kit (must be factory installed to maintain warranty)			
3/8-24 to 1/4-18NPT	31534	1 lb	\$40.00
5/8-18UNF to 1/2-14 NPT	31535	1 lb	\$40.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	J	K	L
lb/in											
5,000 to 10,000	8.12	4.06	1.44	1.12	0.62	6.88	0.62	0.66	1.70	1.48	0.50
20,000	8.12	4.06	1.44	1.12	0.62	6.88	0.84	0.66	1.95	1.48	0.50
30,000 to 60,000	10.25	5.12	1.88	2.37	0.88	8.50	1.00	1.06	3.00	2.73	1.00
150,000	11.25	5.62	1.88	2.80	0.88	9.50	1.25	1.06	3.90	3.64	1.50



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL70000SS

RL72020SS..... page 125

Weight Module Available

RICE LAKE WEIGHING SYSTEMS

EZ Mount 1..... page 63

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

700 (± 7) ohm

Input Resistance:

700 (± 7) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.03% full scale

Non-repeatability:

0.02% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:

5,000 lb: 0.02 in

10,000 lb: 0.025 in

20,000 lb: 0.042 in

30,000 to 50,000 lb: 0.02 in

60,000 lb: 0.025 in

Cable Length:

30 ft

Cable Diameter:

0.295 in

Polyurethane jacket

Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

Warranty:

One-year limited

Approvals:

NTEP

cFMus



Picture is a representation of actual product

Approvals

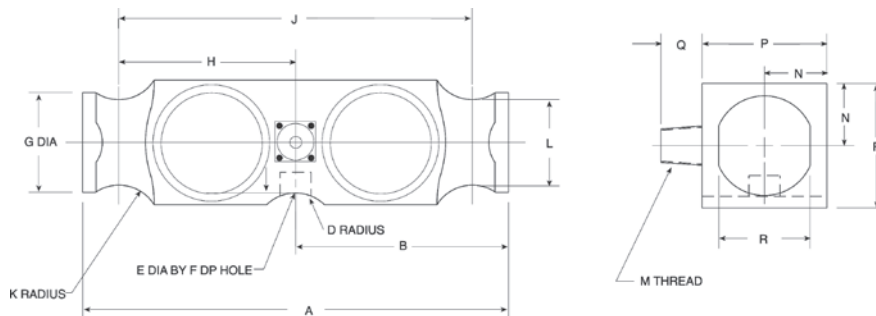


Order Information

Load Rating	Part #	Est. Weight	Price
50,000 lb	21605	22 lb	\$1,150.00
65,000 lb	21606	22 lb	\$1,150.00
100,000 lb	21607	22 lb	\$1,225.00
Overbraid Cable			
50,000 lb	101121	24 lb	\$1,225.00
65,000 lb	101122	24 lb	\$1,225.00
100,000 lb	101123	24 lb	\$1,450.00

Dimensions

Rated Capacity	A	B	D	E	F	G	H	J	K	L	M	N	P	Q	R
lb/in															
50,000 to 65,000	10.25	5.12	1.00	0.75	0.78	2.40	4.25	8.50	1.00	2.06	1/2-14 NPT	1.50	3.00	1.03	2.20
100,000	10.25	5.12	1.00	—	—	2.40	4.25	8.50	1.00	2.06	1/2-14 NPT	1.50	3.00	1.03	2.20



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL75223page 140

THURMAN®

TSC 800

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

Translink™page 73

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

700 (± 7) ohm

Input Resistance:

700 (± 7) ohm

Material/Finish:

High-alloy steel, nickel plated

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Welded-seal, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 VDC (20 V maximum)

Combined Error:

0.025% full scale

Non-repeatability:

0.01% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:

50,000 lb: 0.018 in

65,000 lb: 0.022 in

100,000 lb: 0.034 in

Cable Length:

40 ft

Cable Diameter:

0.295 in

Polyurethane jacket

Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

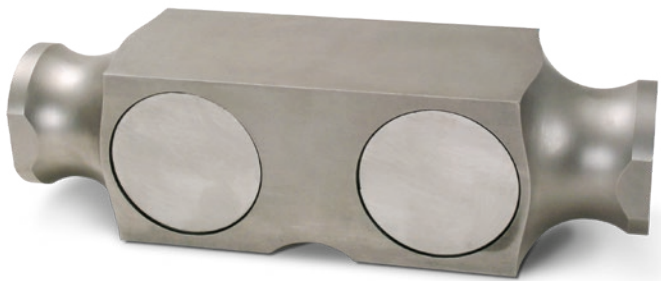
Warranty:

One-year limited

Approvals:

NTEP

cFMus



Picture is a representation of actual product

Approvals

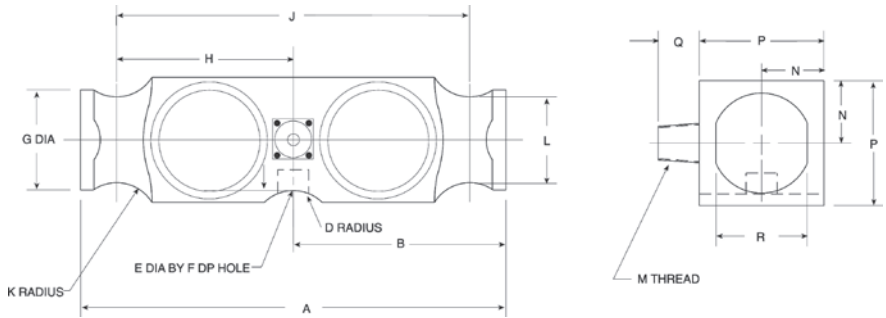


Order Information

Load Rating	Part #	Est. Weight	Price
50,000 lb	84150	22 lb	\$1,475.00
65,000 lb	84151	22 lb	\$1,475.00
100,000 lb	84152	22 lb	\$1,675.00
125,000 lb	84153	22 lb	\$1,675.00

Dimensions

Rated Capacity	A	B	D	E	F	G	H	J	K	L	M	N	P	Q	R
lb/in															
50,000 to 125,000	10.25	5.12	1.00	0.75	0.78	2.40	4.25	8.50	1.00	2.06	1/2-14 NPT	1.50	2.94	1.03	2.20



Weigh Module Available

RICE LAKE WEIGHING SYSTEMS
Translink™page 73

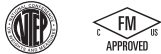
Specifications

- Full Scale Output:**
3.0 mV/V
- Output Resistance:**
700 (± 7) ohm
- Input Resistance:**
700 (± 7) ohm
- Material/Finish:**
Stainless steel
- Temperature:**
Compensated:
14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**
Environmentally sealed, IP67
- Safe Overload:**
150% full scale
- Safe Sideload:**
100% full scale
- Rated Excitation:**
5 to 10 VDC (20 V maximum)
- Combined Error:**
0.02% full scale
- Non-repeatability:**
0.01% full scale
- Insulation Resistance:**
5,000 megohm
- Deflection at Capacity:**
50,000 lb: 0.018 in
65,000 lb: 0.022 in
100,000 lb: 0.034 in
- Cable Length:**
40 ft
- Cable Diameter:**
0.295 in
Polyurethane jacket
- Cable Color Code:**
Red +Excitation
Black -Excitation
Green +Signal
White -Signal
- Warranty:**
One-year limited
- Approvals:**
NTEP
cFMus



Picture is a representation of actual product

Approvals

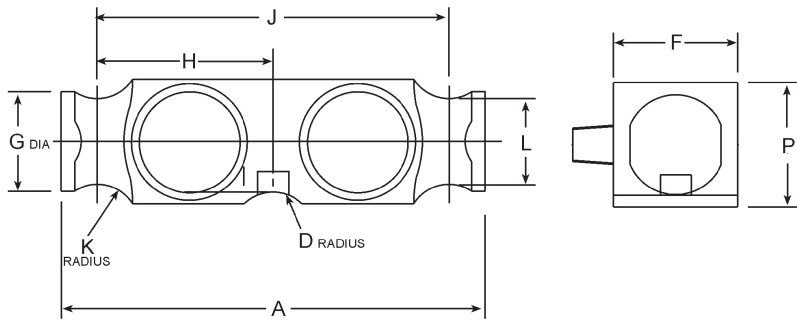


Order Information

Load Rating	Part #	Est. Weight	Price
50,000 lb	69489	17 lb	\$1,375.00
65,000 lb	69490	17 lb	\$1,375.00
100,000 lb	124390	17 lb	\$1,375.00

Dimensions

Rated Capacity	A	D	F	G	H	J	K	L	P
lb/in									
50,000 to 100,000	10.25	1.00	1.94	2.40	4.25	8.50	1.00	2.06	2.94

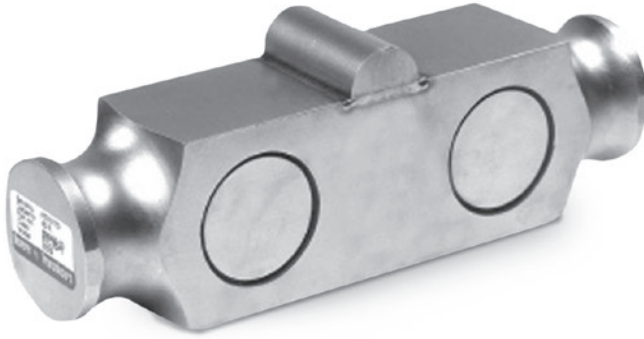


Interchangeable Products

NV TECHNOLOGY®
BLC-2-XX-N
THURMAN®
10088970A-50K

Specifications

- Full Scale Output:**
3.0 mV/V
- Output Resistance:**
700 (± 3.5) ohm
- Input Resistance:**
700 (± 3.5) ohm
- Material/Finish:**
Stainless steel
- Temperature:**
Compensated:
14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**
Environmentally sealed, IP67
- Safe Overload:**
150% full scale
- Safe Sideload:**
100% full scale
- Rated Excitation:**
5 to 10 VDC (15 V maximum)
- Combined Error:**
0.02% full scale
- Non-repeatability:**
0.01% full scale
- Insulation Resistance:**
5,000 megohm
- Cable Length:**
30 ft
- Cable Diameter:**
0.295 in
Polyurethane jacket
- Cable Color Code:**
Red +Excitation
Black -Excitation
Green +Signal
White -Signal
- Warranty:**
One-year limited
- Approvals:**
NTEP
cFMus



Picture is a representation of actual product

Approvals

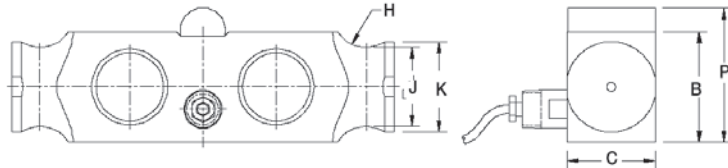
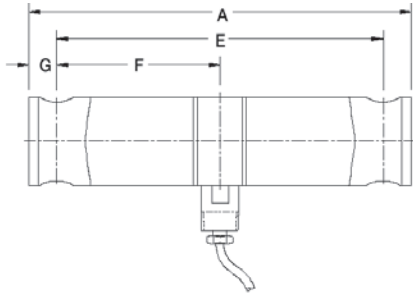


Order Information

Load Rating	Part #	Est. Weight	Price
50,000 lb	84156	13 lb	\$1,095.00
60,000 lb	84157	13 lb	\$1,095.00

Dimensions

Rated Capacity	A	B	C	E	F	G	H	J	K	P
lb/in										
50,000 to 60,000	8.50	2.45	1.95	7.25	3.63	0.63	0.75	1.75	2.00	3.00



Interchangeable Products

NV TECHNOLOGY®
BLC-1-N-WP

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

700 (± 7) ohm

Input Resistance:

700 (± 7) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:
14 °F to 104 °F (-10 °C to 40 °C)

Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Non-repeatability:

0.01% full scale

Combined Error:

0.02% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

30 ft

Cable Diameter:

0.295 in polyurethane jacket

Cable Color Code:

Red -Excitation
Black -Excitation
Green +Signal
White -Signal

Warranty:

One-year limited

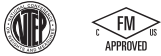
Approvals:

NTEP
cFMus



Picture is a representation of actual product

Approvals

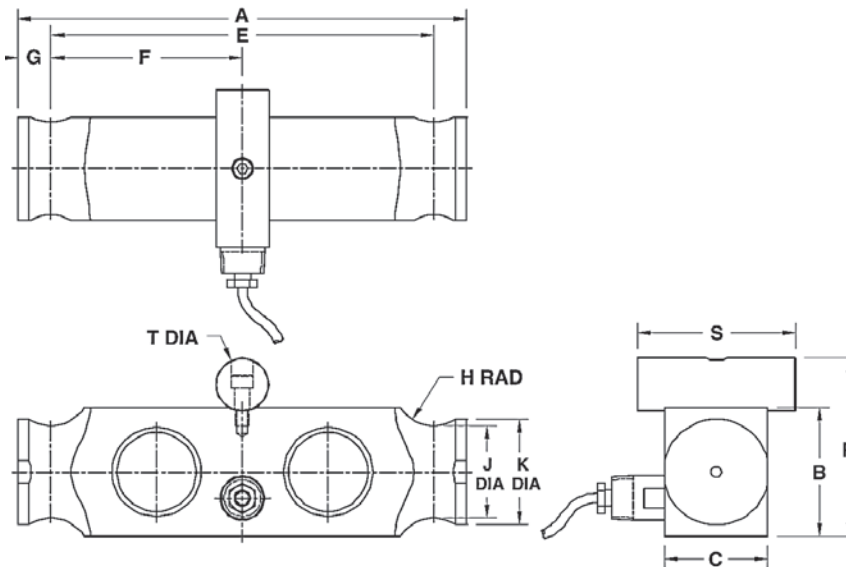


Order Information

Load Rating	Part #	Est. Weight	Price
50,000 lb	79711	14 lb	\$1,395.00
60,000 lb	79712	14 lb	\$1,395.00

Dimensions

Rated Capacity	A	B	C	E	F	G	H	J	K	R	S	T
lb/in												
50,000 to 60,000	8.50	2.45	1.95	7.25	3.62	0.63	0.75	1.75	2.00	3.38	3.00	1.00



Interchangeable Products

NV TECHNOLOGY®
BLC-1-N

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

700 (± 7) ohm

Input Resistance:

700 (± 7) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.02% full scale

Non-repeatability:

0.01% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

30 ft

Cable Diameter:

0.295 in

Polyurethane jacket

Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

Warranty:

One-year limited

Approvals:

NTEP

cFMus



Picture is a representation of actual product

Approvals



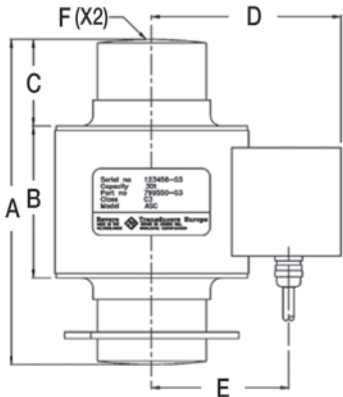
Available upon request

Order Information

Load Rating	Part #	Est. Weight	Price
OIML			
30 T	151312	5 lb	\$736.00
40 T	151313	5 lb	\$736.00
50 T	151314	5 lb	\$736.00
Options			
Load Cup Set (Upper and Lower)	160452	6 lb	\$100.00

Dimensions

Rated Capacity	A	B	C	D	E	F
T/mm						
30 to 50	150	70	40	87	69	R200



Specifications

- Full Scale Output:**
2.00 (± 0.02) mV/V
- Output Resistance:**
700 (± 7) ohm
- Input Resistance:**
700 (± 35) ohm
- Material/Finish:**
Stainless steel
- Temperature:**
Operating:
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**
Hermetically sealed, IP68
- Safe Overload:**
150% full scale
- Rated Excitation:**
5 to 20 VDC
- Combined Error:**
0.02% full scale
- Insulation Resistance:**
5,000 megohm
- Cable Length:**
15 m
- Cable Diameter:**
0.295 in
Polyurethane jacket
- Cable Color Code:**
Green +Excitation
Black -Excitation
White +Signal
Red -Signal
- Warranty:**
One-year limited
- Approvals:**
OIML
cFMus
Ex (Available upon request)

Stainless Steel, Hermetically Sealed, NTEP Certified 1:10,000 Class IIIL Multiple Cell, OIML C3, IP66/68

Limited Stock Available

Picture is a representation of actual product

Approvals**Order Information: NTEP Certified**

Load Rating	Part #	Est. Weight	Price
NTEP Certified			
3.5 T	36193	3 lb	\$742.00
5 T	36194	3 lb	\$742.00
OIML			
0.25 T	126714	2 lb	\$689.00
1 T	126716	2 lb	\$742.00

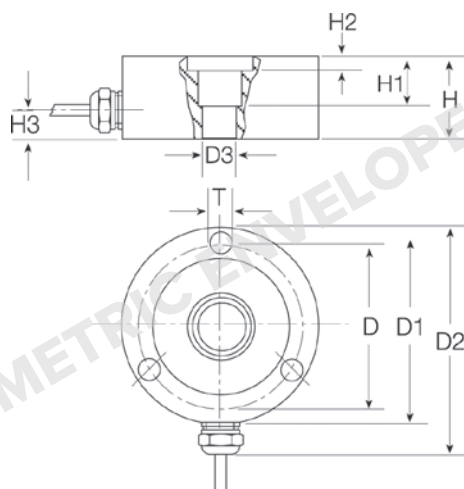
Replacement Rocker Pin Set*

Load Rating (Per Module)	Part #	Price
250 kg to 1 T	170875	\$132.00
2 T to 5 T	170876	\$132.00
10 T	170877	\$132.00

*Kit includes upper cup, rocker pin and grease

Dimensions

Rated Capacity	D	D1	D2	D3	H	H1	H2	H3	T
T/mm									
0.25 to 1	70.1	80.0	97.5	10.2	25.1	15.2	1.0	9.4	M6 (3 x 120°)
3.5 to 5	70.1	80.0	97.5	15.24	30.0	20.1	6.1	8.4	M6 (3 x 120°)

**Weigh Module Available**

RICE LAKE WEIGHING SYSTEMS

RLC..... page 59**Specifications****Full Scale Output:**

2.0 mV/V

Output Resistance:

1,025 (± 25) ohm

Input Resistance:

1,110 (± 50) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Hermetically sealed, IP66/68

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.02% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

5 m

Cable Color Code:

Pink +Excitation

Grey -Excitation

Brown +Signal

White -Signal

Warranty:

One-year limited

Approvals:

NTEP

OIML

FM



Picture is a representation of actual product

Approvals

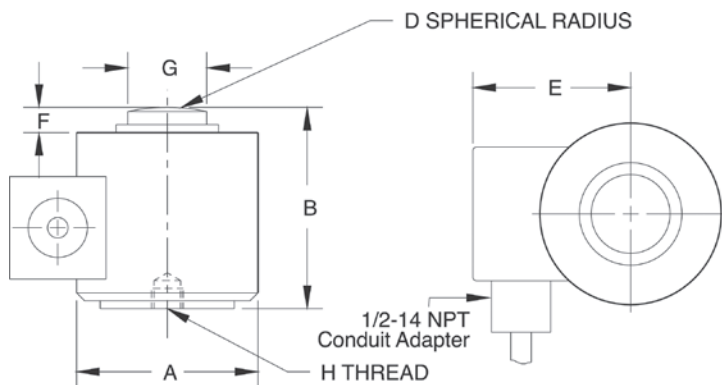


Order Information

Load Rating	Part #	Est. Weight	Price
10,000 lb	17588	8 lb	\$1,425.00
25,000 lb	17589	8 lb	\$1,425.00
50,000 lb	17590	8 lb	\$1,425.00
100,000 lb	17591	16 lb	\$1,575.00
200,000 lb	17592	40 lb	\$2,432.00
300,000 lb	17593	40 lb	\$2,676.00
500,000 lb	17594	53 lb	\$4,765.00

Dimensions

Rated Capacity	A	B	D	E	F	G	H	DEPTH of H
lb/in								
10,000 to 50,000	2.48	3.25	6.00	3.30	0.40	1.25	1/2-20 UNF	0.31
100,000	4.12	5.00	6.00	3.50	0.51	2.31	3/4-16 UNF	0.56
200,000 to 300,000	6.00	7.25	17.00	4.60	1.04	3.13	3/4-16 UNF	0.75
500,000	6.50	9.00	17.00	4.80	0.56	3.69	3/4-16 UNF	0.75



Interchangeable Products

VPG® REVERE

392BDiscontinued

ARTECH®

90210

CARDINAL®

CP1

HOWE RICHARDSON®

20908XXX

STREETER AMET®

3753070, 3752030, 3752040, 3751940

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS®

MagnaMount®page 75

Specifications

Full Scale Output:

1.75 mV/V

Output Resistance:

480 (± 4.8) ohm

Input Resistance:

450 (± 4.5) ohm

Material/Finish:

Stainless steel

Temperature:

Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Welded-seal, IP68

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.15% full scale

Non-repeatability:

0.03% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:

10,000 to 50,000 lb: 0.003 in
100,000 to 300,000 lb: 0.006 in
500,000 lb: 0.009 in

Cable Length:

30 ft

Cable Diameter:

0.295 in
Polyurethane jacket

Cable Color Code:

Green +Excitation
Black -Excitation
White +Signal
Red -Signal

Warranty:

One-year limited

Approvals:

cFMus



Picture is a representation of actual product

Approvals

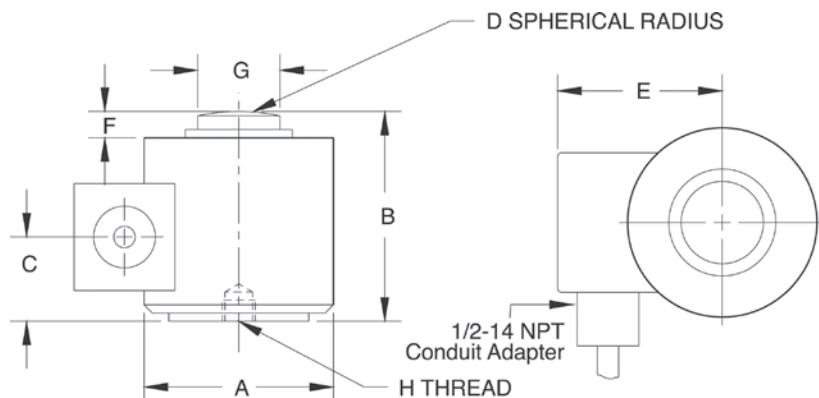


Order Information

Load Rating	Part #	Est. Weight	Price
NTEP Certified, 30 ft Cable			
25,000 lb	21649	7 lb	\$1,700.00
50,000 lb	21650	7 lb	\$1,700.00
100,000 lb	21651	15 lb	\$1,892.00
200,000 lb	21652	36 lb	\$2,538.00
NTEP Certified, 60 ft Cable			
200,000 lb	188769	40 lb	\$2,645.00
Non-NTEP Certified, 30 ft Cable			
10,000 lb	17595	6 lb	\$1,611.00
300,000 lb	17597	40 lb	\$2,645.00
500,000 lb	17598	40 lb	\$4,966.00
OIML, 60 ft Cable			
60,000 lb (60 T)	194528	15 lb	\$1,892.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	DEPTH of H
lb/in									
10,000 to 50,000	2.88	3.25	1.28	6.00	2.51	0.40	1.25	1/2-20 UNF	0.38
60,000 (60 T) to 100,000	4.12	5.00	2.15	6.00	3.39	0.51	2.31	3/4-16 UNF	0.56
200,000 to 300,000	6.00	7.25	3.63	17.00	4.26	1.04	3.13	3/4-16 UNF	0.75
500,000	6.50	9.00	4.34	17.00	4.59	0.56	3.69	3/4-16 UNF	0.75



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RLCSP1* page 143

VPG® REVERE

692B* Discontinued

ARTECH®

90310*

HOWE RICHARDSON®

244699-000X*

STREETER AMET®

3760XXX

* Load cell diameter may not be identical

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

MagnaMount® page 75

Specifications

Full Scale Output:

2 mV/V

Output Resistance:

480 (± 4.8) ohm

Input Resistance:

450 (± 4.5) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Welded-seal, IP68

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.02% full scale (0.05% Non-NTEP Certified)

Non-repeatability:

0.01% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:

10,000 to 50,000 lb: 0.003 in

100,000 to 300,000 lb: 0.006 in

500,000 lb: 0.009 in

Cable Length:

30 ft

60 ft

Cable Diameter:

0.295 in

Polyurethane jacket

Cable Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

Warranty:

One-year limited

Approvals:

NTEP

cFMus

OIML



Picture is a representation of actual product

Approvals

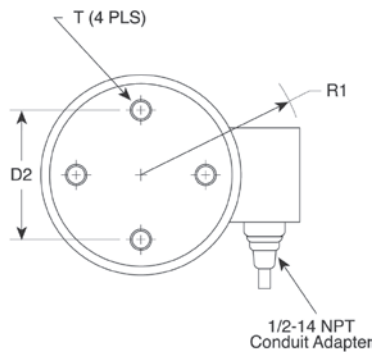
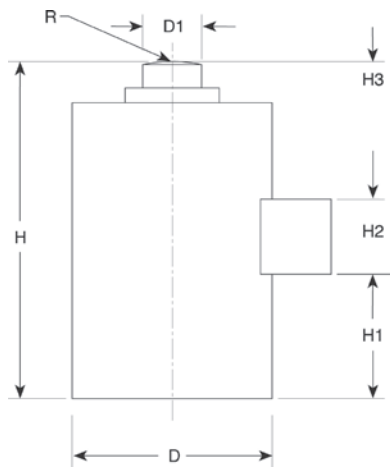


Order Information

Load Rating	Part #	Est. Weight	Price
50,000 lb	31307	19 lb	\$2,326.00
100,000 lb	31306	35 lb	\$2,326.00
200,000 lb	31305	74 lb	\$3,598.00

Dimensions

Rated Capacity	D	D1	D2	H	H1	H2	H3	R	R1	T
lb/in										
50,000	4.50	1.25	2.38	7.50	3.06	1.60	0.75	6.00	3.75	3/8-24 UNF x .63 DP
100,000	5.75	1.75	4.00	9.13	2.60	1.60	1.05	12.00	4.05	1/2-20 UNF x .75 DP
200,000	7.50	2.50	5.50	11.63	3.95	1.60	0.97	12.00	5.11	5/8-18 UNF x 1.00 DP



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL8C2P1SST page 144

ARTECH®

90405

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

350 (± 3.5) ohm

Input Resistance:

350 (± 3.5) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Welded-seal, IP68

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.03% full scale

Non-repeatability:

0.01% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:

50,000 lb: 0.004 in

100,000 lb: 0.006 in

200,000 lb: 0.009 in

Cable Length:

35 ft

Cable Diameter:

0.295 in

Polyurethane jacket

Cable Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

Warranty:

One-year limited

Approvals:

NTEP

cFMus



Picture is a representation of actual product

Approvals

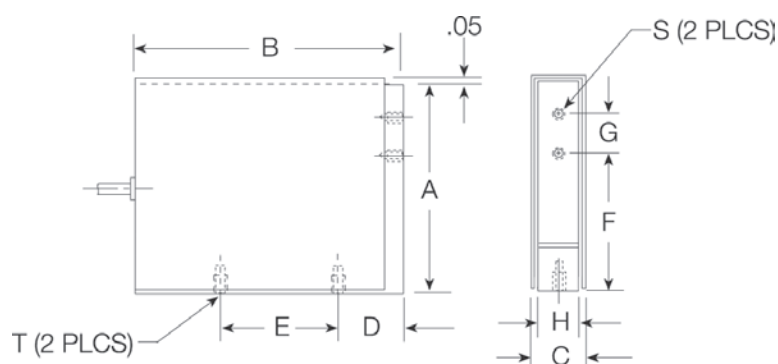


Order Information

Load Rating	Part #	Est. Weight	Price
2 lb	17442	3 lb	\$895.00
5 lb	17443	3 lb	\$895.00
10 lb	17444	3 lb	\$895.00
20 lb	17445	3 lb	\$895.00
50 lb	17446	5 lb	\$895.00
100 lb	17447	5 lb	\$895.00
250 lb	17448	5 lb	\$895.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	T	S
lb/in										
2 to 20	4.00	5.13	0.91	1.25	2.20	2.60	0.75	0.75	1/4-28 UNF x .38 DP	10-32 UNF x .25 DP
50 to 100	4.60	6.00	1.16	1.90	2.20	2.60	1.00	1.00	3/8-24 UNF x .50 DP	1/4-28 UNF x .50 DP
250	4.60	6.00	1.16	1.90	2.20	2.35	1.50	1.00	3/8-24 UNF x .50 DP	3/8-24 UNF x .50 DP



Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

350 (± 3.5) ohm

Input Resistance:

390 (± 15) ohm

Material/Finish:

Alloy steel with stainless steel cover

Temperature:

Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC nominal (15 V maximum)

Combined Error:

0.03% full scale

Non-repeatability:

0.01% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:

2 to 20 lb: 0.06 in
50 to 250 lb: 0.04 in

Cable Length:

10 ft

Cable Color Code:

Red +Excitation
Black -Excitation
Green +Signal
White -Signal

Warranty:

One-year limited

Approvals:

cFMus



Picture is a representation of actual product

Approvals

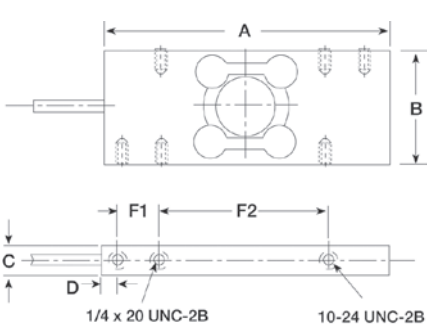


Order Information

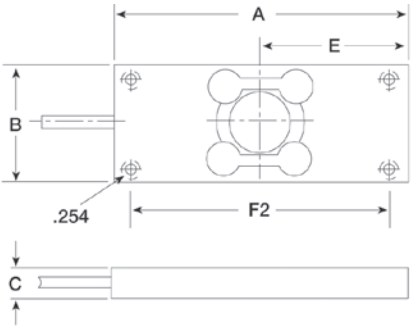
Load Rating	Part #	Est. Weight	Price
6 kg	22335	2 lb	\$850.00
6 kg	116475	2 lb	\$850.00
25 lb	17406	2 lb	\$850.00
50 lb	17407	2 lb	\$850.00
100 lb	17408	2 lb	\$950.00

Dimensions

Rated Capacity	A	B	C	D	E	F1	F2
kg or lb/mm							
6kg	127.0	50.2	18.5	—	63.5	—	107.9
25 to 50 lb	127.0	50.2	18.5	6.3	—	19.0	76.2
100 lb	127.0	46.2	23.8	6.3	—	19.0	76.2



HPS 6 kg to 100 lb
(PN 22335, 17406, 17407, 17408)



HPS (6 kg)
(PN 116475)

Specifications

- Full Scale Output:**
25 to 100 lb: 3.0 mV/V
6 kg: 2.0 mV/V
- Output Resistance:**
350 (± 7) ohm
- Input Resistance:**
400 (± 6) ohm
- Material/Finish:**
Stainless steel
- Temperature:**
Operating:
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**
Welded-seal, IP67
- Safe Overload:**
150% full scale
- Rated Excitation:**
5 to 10 VAC (15 V maximum)
- Combined Error:**
0.03% full scale
- Non-repeatability:**
0.01% full scale
- Insulation Resistance:**
5,000 megohm
- Cable Length:**
10 ft
- Cable Color Code:**
Green +Excitation
Black -Excitation
White +Signal
Red -Signal
- Warranty:**
One-year limited
- Approvals:**
cFMus



Picture is a representation of actual product

Approvals

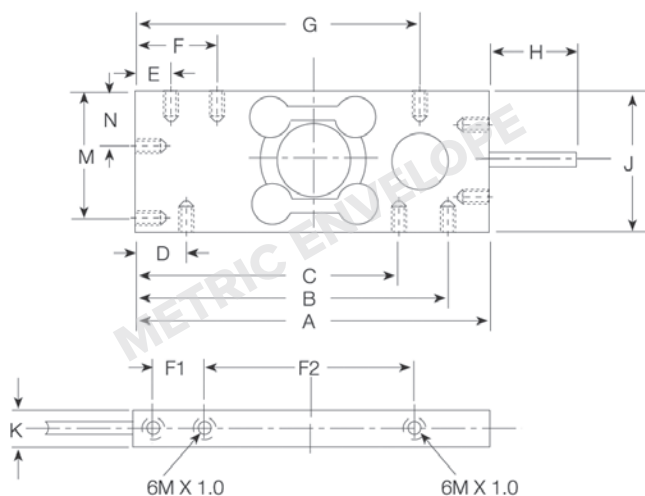


Order Information

Load Rating	Part #	Est. Weight	Price
6 kg	22334	2 lb	\$850.00
12 kg	109131	2 lb	\$850.00
30 kg	115336	2 lb	\$950.00

Dimensions

Rated Capacity	A	B	C	D	E	F	F1	F2	G	H	J	K	M	N
kg/mm														
6 to 30	130	117	98	23	14	33	19	75	108	25	50	19	44	20



Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

350 (± 3.5) ohm

Input Resistance:

350 (± 3.5) ohm

Material/Finish:

Stainless steel

Temperature:

Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Welded-seal, IP67

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.03% full scale

Non-repeatability:

0.01% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

6 m

Cable Color Code:

Green +Excitation

Black -Excitation

White +Signal

Red -Signal

Warranty:

One-year limited

Approvals:

cFMus

LOAD CELL
AX3040

Alloy Steel, Environmentally Sealed, IP66



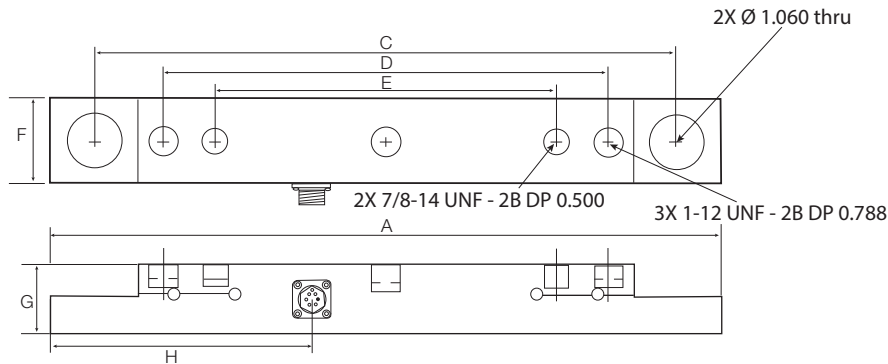
Picture is a representation of actual product

Order Information

Load Rating	Part #	Est. Weight	Price
20,000 lb	111766	30 lb	\$1,170.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H
lb/in								
20,000	22.60	24.60	19.60	15.00	11.50	2.84	2.38	8.80



Interchangeable Products

8300420-10

Specifications

- Full Scale Output:**
0.5 mV/V at 12,500 lb
- Output Resistance:**
350 ohm (nominal)
- Input Resistance:**
350 ohm (nominal)
- Material/Finish:**
Alloy steel
- Temperature:**
Operating:
14 °F to 104 °F (-10 °C to 40 °C)
- Seal Type:**
Environmentally sealed, IP66
- Manufacturer Model Number:**
8300420-10
- Rated Excitation:**
15 VDC
- Nonlinearity:**
±1.0% full scale
- Insulation Resistance:**
5,000 megohm at 50 VDC
- Warranty:**
One-year limited

S-BEAMS

Page 275

60001, ALLOY STEEL



Suitable for single- or multiple-cell tension load applications. Nickel-plated, high-alloy steel construction. Complete with 20 ft of load cell cable and full environmental protection with stainless steel side plates. Capacities range from 25 to 20,000 lb. Capacities of 5,000 lb or higher have standardized output for multiple-cell installations.



Page 276

60050, STAINLESS STEEL



Suitable for single- or multiple-cell applications. Complete with 20 ft of load cell cable and full environmental protection with stainless steel side plates. Stainless steel construction for added corrosion protection. Capacities range from 250 to 20,000 lb. Capacities of 5,000 lb or higher have standardized output for multiple-cell installations.



Page 277

60063, STAINLESS STEEL



Welded-seal, stainless steel, S-beam load cell designed for compression and tension. Ideal for scale conversions and general-purpose weighing. NTEP Certified capacities range from 500 to 5,000 lb; non-NTEP Certified capacity of 10,000 lb.



SINGLE-ENDED

Page 278

65023A-5297, ALLOY STEEL



This model is manufactured from alloy steel and is nickel-plated to provide protection from the elements. Custom featured with mV/V/ohm calibration and 8.5 ft of load cell cable for 1,000 and 2,500 lb capacities, and 10 ft for the 5,000 lb capacity. This model was originally designed for Fairbanks Scales® under part number 65023-XX-5164.



Page 279

65023A-5107-10, ALLOY STEEL



The 65023A-5107-10 is a replacement load cell for the previously offered 65023-5141 VPG SENSORTRONICS load cell. This model was previously specific to Pennsylvania Scale and features 10 ft of load cell cable. Available in 1,000 and 2,500 lb capacities.



Page 280

65023A-5507, ALLOY STEEL



The 65023A-XX-5507 is a low-profile version of the 65023A-XX-5107 at just 0.75 in high. Available in 1,000 and 2,500 lb capacities.



Page 281

65023A, ALLOY STEEL



Designed for low-profile floor scales. Environmentally protected with stainless steel side plates. Nickel-plated alloy steel with a threaded loading hole. Capacities from 250 to 20,000 lb.



SINGLE-ENDED BEAMS

Page 282

65023SS, STAINLESS STEEL



Designed for low-profile floor scales. Environmentally protected with stainless steel side plates. Stainless steel and a threaded hole for loading. Available in 250, 500, 15,000 and 20,000 lb capacities.



Page 283

65023S, STAINLESS STEEL



Designed for low-profile floor scales. Environmentally protected with stainless steel side plates. Stainless steel construction and a threaded hole for loading. Capacities range from 1,000 to 10,000 lb.



Page 284

65083, STAINLESS STEEL



This welded-seal precision load cell offers exceptional performance and reliability in hostile environment applications typical of food and chemical processing. Designed for single- or multiple-cell installations, the 65083 has a threaded load hole for easy adaptation of mounting hardware or leveling feet typical of floor scales. Capacities range from 1,000 to 10,000 lb. Complete with 20 ft of load cell cable.



Page 285

65083S, STAINLESS STEEL



This precision load cell offers exceptional performance and reliability in hostile environment applications typical of food and chemical processing. Designed for single- or multiple-cell installations, the 65083S is provided with a threaded load hole for easy adaptation of mounting hardware or leveling feet typical of floor scales. Capacities range from 1,000 to 10,000 lb. Complete with 20 ft of load cell cable.



Page 286

60040, ALLOY STEEL



Designed for low-profile, single- or multiple-cell weighing applications. Complete with 20 ft of load cell cable. Nickel-plated, high-alloy steel construction, environmentally protected with a neoprene sleeve. Capacities range from 25 to 500 lb.



SINGLE POINTS

Page 287

60048SS, STAINLESS STEEL



Load cell specifically designed for heavy-duty weighing on a 20 × 20 in. platform. Stainless steel construction specially designed for washdown situations. Complete with 10 ft of load cell cable. 1,000 lb capacity load cell may be used with 30 × 30 in platform. Capacities range from 50 to 1,000 lb.



Page 288

60051, STAINLESS STEEL



Designed as a replacement for the NCI® Mark III in hostile environments. Stainless steel, moisture-resistant single point load cell. Complete with 10 ft of load cell cable. Load cells with 10 to 25 lb capacities may be used with a base size of 8 × 8 in. Load cells with 50 to 200 lb capacities may be used with a base size of 12 × 12 in.



Page 289






















60060, ALUMINUM



A high-capacity load cell for off-center loading that accurately weighs on a 30 × 30 inch platform. Aluminum clear anodized construction. Capacities range from 100 to 2,000 lb. Complete with 10 ft of load cell cable.



DOUBLE-ENDED BEAMS

Page 290	65016, ALLOY STEEL		Nickel-plated and environmentally protected with stainless steel side plates. Designed for center loading compatibility with RL1600 tank weighing assemblies. Capacities range from 1,000 to 75,000 lb. Complete with 25 ft of load cell cable.		
Page 291	65016W, STAINLESS STEEL		Offered in stainless steel and with a welded seal. Designed for center loading compatibility with RL1600 tank weighing assemblies. Capacities range from 1,000 to 75,000 lb. Complete with 25 ft of load cell cable.		
Page 292	65016WH, STAINLESS STEEL		Stainless steel, full hermetic version of the popular 65016 series load cells. Capacities range from 1,000 to 25,000 lb. Complete with 25 ft of load cell cable.		
Page 293	65058A, ALLOY STEEL		Nickel-plated and environmentally protected with stainless steel side plates. Designed for center link loading and compatibility with the MVS or similar suspension systems up to 75,000 lb. NTEP Certified capacities range from 20,000 to 125,000 lb; non-NTEP Certified capacity of 10,000 lb. Complete with 35 ft of load cell cable.		
Page 294	65058S, STAINLESS STEEL		The VPG Sensortronics 65058S is a double-ended beam load cell, specifically designed for harsh environment vehicle weighing applications. This stainless steel, welded-seal load cell is an ideal substitute for traditional alloy steel, nickel-plated units where corrosive or washdown conditions exist. This model is compatible with both the MVS and TSA mounts, and is available in capacities ranging from 20,000 to 125,000 lb. Each unit is provided with a standard 35 ft of load cell cable.		
Page 295	65061A, ALLOY STEEL		This unique double-ended beam has been a standard model in Fairbanks Scales® truck scales for years. This NTEP Certified, zinc-plated, alloy steel load cell is sealed with a potting compound that has been proven through the test of time in numerous applications. Capacities available in 40,000 and 50,000 lb. Complete with 60 ft of copper over braid load cell cable. This module is available upon request as a stainless steel, welded-seal with a 50,000 capacity.		
Page 296	65040A, ALLOY STEEL		Nickel-plated and environmentally protected with stainless steel side plates. Designed for center mounting and double link loading. Capacities range from 25,000 to 125,000 lb. Complete with 35 ft of load cell cable.		
Page 297	65040S, STAINLESS STEEL		This model is an upgraded version of the VPG Sensortronics 65040A and is offered in stainless steel with a welded seal. The center-supported, double-ended beam design is compatible with Unilink/Translink™ mounts. Ideal for applications where harsh chemicals and washdown conditions exist. Available in capacities ranging from 25,000 to 75,000 lb, and is provided with 35 ft of load cell cable.		

DOUBLE-ENDED BEAMS

Page 298

65040A-1127W, ALLOY STEEL



This center-loaded, double-link load cell is made of alloy steel. It is a replacement for the RL75223 or VPG Revere 5223 load cell and is NTEP Certified. It comes with 40 ft of cable and is available in 50,000 and 65,000 lb capacities.



ROCKER COLUMN

Page 299

65114, STAINLESS STEEL



The 65114 was specially designed to provide the superior protection of stainless steel and hermetic sealing for truck scale applications. This model is built to provide a high degree of accuracy while protecting against the severe conditions that truck scale load cells often endure. Available in two different heights, this product can easily be adapted to existing applications.





Picture is a representation of actual product

Approvals

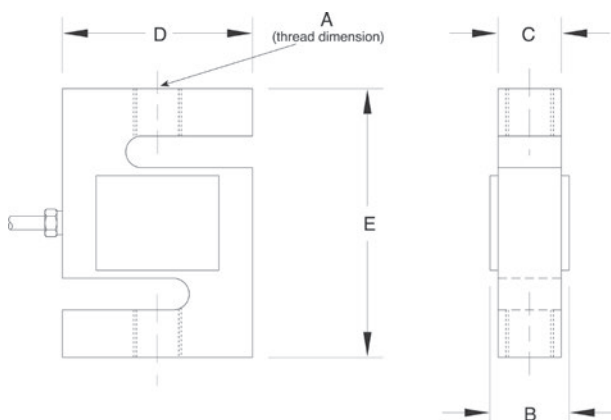


Order Information

Load Rating	Part #	Est. Weight	Price
25 lb	61116	2 lb	\$312.00
50 lb	61117	2 lb	\$312.00
100 lb	61118	2 lb	\$312.00
200 lb	61119	2 lb	\$312.00
250 lb	61120	2 lb	\$312.00
300 lb	61121	2 lb	\$312.00
500 lb	61122	2 lb	\$312.00
750 lb	61123	2 lb	\$312.00
1,000 lb	61124	2 lb	\$312.00
1,500 lb	61125	2 lb	\$312.00
2,000 lb	61126	2 lb	\$312.00
2,500 lb	61127	2 lb	\$355.00
3,000 lb	61128	2 lb	\$355.00
5,000 lb	61129	4 lb	\$503.00
10,000 lb	61130	5 lb	\$503.00
15,000 lb	61131	7 lb	\$609.00
20,000 lb	61132	18 lb	\$949.00

Dimensions

Rated Capacity	A	B	C	D	E
lb/in					
25 to 200	1/4-28 UNF	0.65	0.50	2.00	2.50
250 to 300	3/8-24 UNF	0.75	0.50	2.00	3.00
500 to 2,000	1/2-20 UNF	1.00	0.75	2.00	3.00
2,500 to 3,000	1/2-20 UNF	1.25	1.00	2.00	3.00
5,000	3/4-16 UNF	1.25	1.00	3.00	4.25
10,000	3/4-16 UNF	1.25	1.00	3.50	4.75
15,000	1-14 UNS	1.50	1.25	4.00	5.50
20,000	1 1/4-12 UNF	2.25	2.00	5.00	7.00



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL20001Ipage 97

VPG® CELTRON®

STC.....page 188

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

ITCM Isolated Tension

Cell Mount.....page 34

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

349 to 355 ohm

Input Resistance:

343 to 450 ohm

Material/Finish:

High-alloy steel, nickel plated

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 V DC (15 V maximum)

Combined Error:

0.03% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

20 ft

Cable Diameter:

0.200 in

Polyurethane jacket

Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

Warranty:

One-year limited

Approvals:

NTEP

cFMus



Picture is a representation of actual product

Approvals

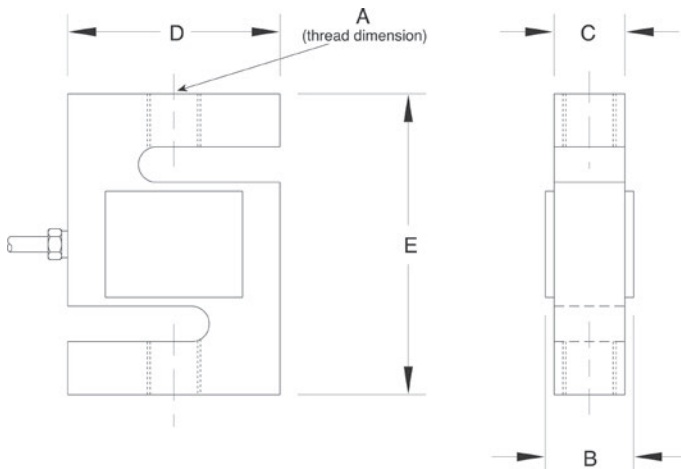


Order Information

Load Rating	Part #	Est. Weight	Price
250 lb	17077	2 lb	\$344.00
500 lb	17078	3 lb	\$344.00
750 lb	17079	3 lb	\$344.00
1,000 lb	17080	3 lb	\$344.00
1,500 lb	17081	3 lb	\$344.00
2,000 lb	17082	3 lb	\$387.00
2,500 lb	17083	3 lb	\$387.00
3,000 lb	17084	3 lb	\$387.00
5,000 lb	17085	4 lb	\$583.00
10,000 lb	17086	5 lb	\$583.00
15,000 lb	17087	8 lb	\$689.00
20,000 lb	17088	16 lb	\$1,033.00

Dimensions

Rated Capacity	A	B	C	D	E
lb/in					
250	3/8-24 UNF	0.75	0.50	2.00	3.00
500 to 1,500	1/2-20 UNF	1.00	0.75	2.00	3.00
2,000 to 3,000	1/2-20 UNF	1.25	1.00	2.00	3.00
5,000	3/4-16 UNF	1.25	1.00	3.00	4.25
10,000	3/4-16 UNF	1.25	1.00	3.50	4.75
15,000	1-14 UNS	1.50	1.25	4.00	5.50
20,000	1 1/4-12 UNF	2.00	1.94	5.00	7.00



Interchangeable Products

VPG® CELTRON®
STC SS.....page 189

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS
**ITCM Isolated Tension
Cell Mount**.....page 34

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

349 to 355 ohm

Input Resistance:

343 to 450 ohm

Material/Finish:

Stainless steel

Temperature:

Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Nonlinearity:

0.03% full scale

Hysteresis:

0.02% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

20 ft

Cable Diameter:

0.200 in
Polyurethane jacket

Cable Color Code:

Red +Excitation
Black -Excitation
Green +Signal
White -Signal

Warranty:

One-year limited

Approvals:

cFMus



Picture is a representation of actual product

Approvals

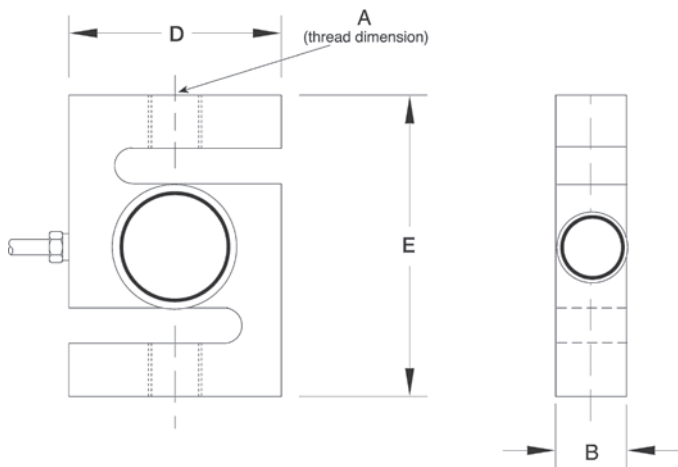


Order Information

Load Rating	Part #	Est. Weight	Price
NTEP Certified			
500 lb	36272	3 lb	\$875.00
750 lb	36273	3 lb	\$875.00
1,000 lb	36274	3 lb	\$875.00
1,500 lb	36275	3 lb	\$875.00
2,000 lb	36276	3 lb	\$875.00
2,500 lb	36277	3 lb	\$875.00
3,000 lb	36278	3 lb	\$875.00
5,000 lb	36279	4 lb	\$1,160.00
Non-NTEP Certified			
10,000 lb	36280	4 lb	\$1,160.00

Dimensions

Rated Capacity	A	B	D	E
lb/in				
500 to 3,000	1/2-20 UNF	1.00	2.00	3.00
5,000 to 10,000	3/4-16 UNF	1.00	3.50	4.75



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS
RL20001HE..... page 98

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS
ITCM Isolated Tension
Cell Mount.....page 34

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

349 to 355 ohm

Input Resistance:

349 to 350 ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:
14 °F to 104 °F (-10 °C to 40 °C)

Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Welded-seal, IP68

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 V DC (15 V maximum)

Combined Error:

0.03% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

20 ft

Cable Diameter:

0.200 in
Polyurethane jacket

Cable Color Code:

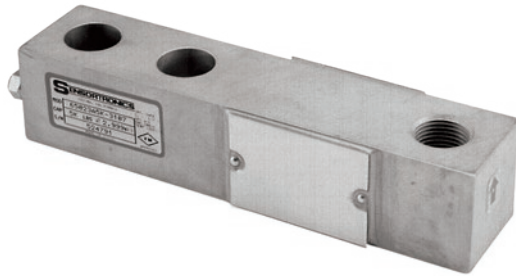
Red +Excitation
Black -Excitation
Green +Signal
White -Signal

Warranty:

One-year limited

Approvals:

NTEP
cFMus



Picture is a representation of actual product

Approvals



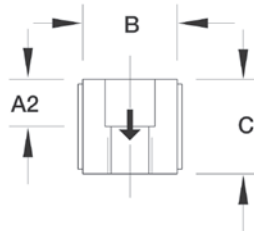
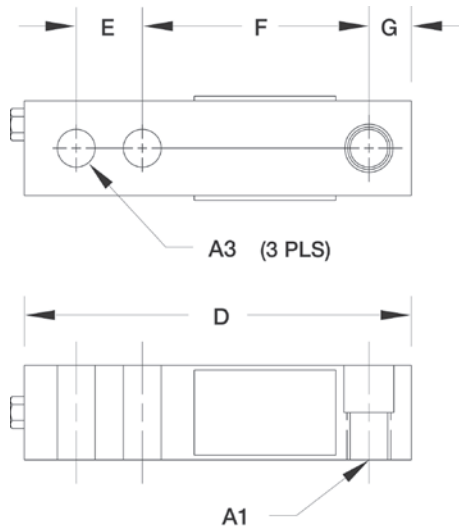
Order Information

Load Rating	Part #	Est. Weight	Price
1,000 lb	68825	3 lb	\$312.00
2,500 lb	68824	3 lb	\$312.00
5,000 lb LE	156957	5 lb	\$398.00

LE=large envelope

Dimensions

Rated Capacity	A1	A2	A3	B	C	D	E	F	G
lb/in									
1,000 to 2,500	1/2-20 UNF	0.62	0.53	1.25	1.25	5.12	1.00	3.00	0.50
5,000 LE	3/4-16 UNF	0.75	0.78	1.50	1.50	6.75	1.50	3.75	0.75



Interchangeable Products

FAIRBANKS®

65023A-XX-5164

Specifications

Full Scale Output:

3.0 mV/V
mV/V/ohm calibration

Output Resistance:

349 to 355 ohm

Input Resistance:

343 to 357 ohm

Material/Finish:

High-alloy steel, nickel plated

Temperature:

Compensated:
14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 V

Combined Error:

0.02% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:

1,000 lb: 0.013 in
2,500 to 5,000 lb: 0.015 in

Cable Length:

1,000 to 2,500 lb: 8.5 ft
5,000 lb: 10 ft

Cable Diameter:

0.200 in
Polyurethane jacket

Cable Color Code:

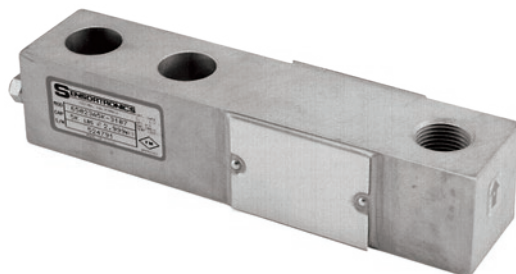
Red +Excitation
Black -Excitation
Green +Signal
White -Signal

Warranty:

One-year limited

Approvals:

NTEP
cFMus



Picture is a representation of actual product

Approvals

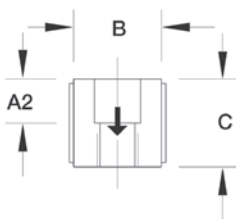
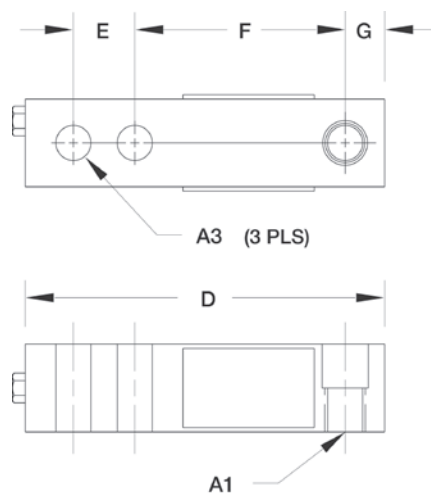


Order Information

Load Rating	Part #	Est. Weight	Price
1,000 lb	68827	3 lb	\$312.00
2,500 lb	68826	3 lb	\$312.00

Dimensions

Rated Capacity	A1	A2	A3	B	C	D	E	F	G
lb/in									
1,000 to 2,500	1/2-20 UNF	0.62	0.53	1.25	1.25	5.12	1.00	3.00	0.50



Interchangeable Products

PENNSYLVANIA®
65023A-XX-5141

Specifications

Full Scale Output:

3.0 mV/V
mV/V/ohm calibrated

Output Resistance:

349 to 355 ohm

Input Resistance:

343 to 357 ohm

Material/Finish:

High-alloy steel, nickel plated

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 V

Combined Error:

0.02% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:

1,000 lb: 0.013 in

2,500 lb: 0.015 in

Cable Length:

10 ft

Cable Diameter:

0.200 in

Polyurethane jacket

Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

Warranty:

One-year limited

Approvals:

NTEP

cFMus



Picture is a representation of actual product

Approvals



Order Information

Load Rating	Part #	Est. Weight	Price
1,000 lb	107785	3 lb	\$312.00
2,500 lb	107786	3 lb	\$312.00

Dimensions

Rated Capacity	A1	A3	B	C	D	E	F	G
lb/in								
1,000 to 2,500	1/2-20 UNF-2B	Ø.516	1.22	0.75	5.12	1.00	3.00	0.62

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

349 to 355 ohm

Input Resistance:

343 to 357 ohm

Material/Finish:

High-alloy steel, nickel plated

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 V

Combined Error:

0.02% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:

1,000 lb: 0.013 in

2,500 lb: 0.015 in

Cable Length:

10 ft

Cable Diameter:

0.200 in

Polyurethane jacket

Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

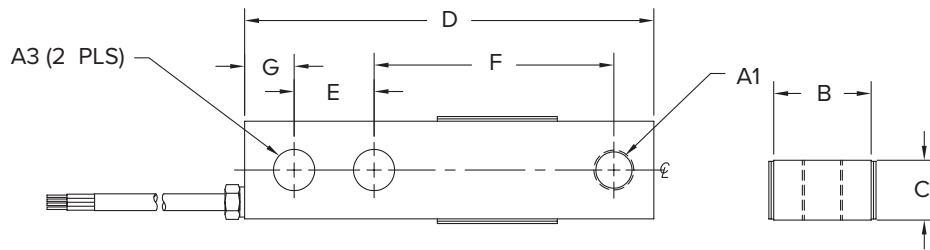
Warranty:

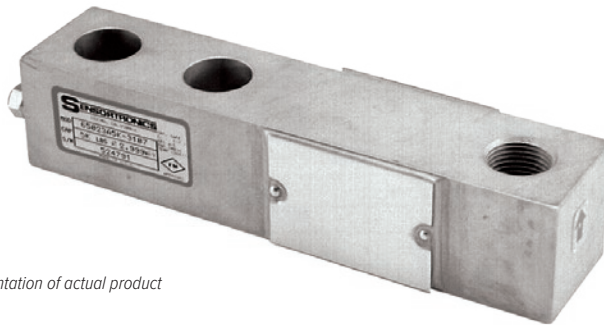
One-year limited

Approvals:

NTEP

cFMus





Picture is a representation of actual product

Approvals



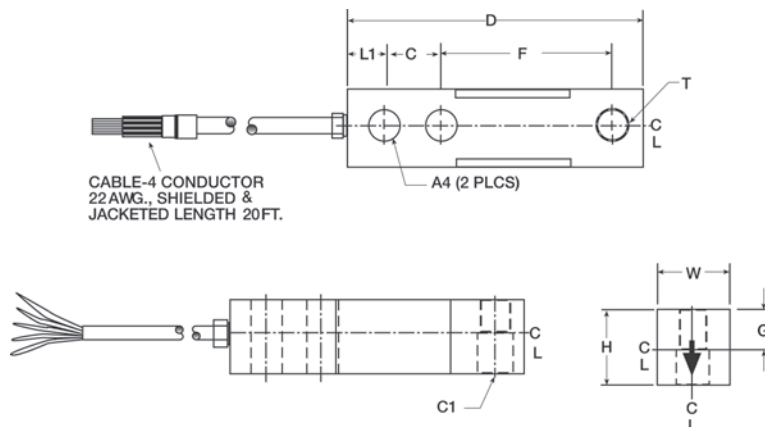
Order Information

Load Rating	Part #	Est. Weight	Price
NTEP Certified			
1,000 lb	21507	3 lb	\$312.00
1,500 lb	69832	3 lb	\$312.00
2,000 lb	21508	3 lb	\$312.00
2,500 lb	21509	3 lb	\$312.00
3,000 lb	21510	3 lb	\$312.00
4,000 lb	21511	3 lb	\$312.00
5,000 lb SE	102884	3 lb	\$312.00
5,000 lb LE	21512	5 lb	\$398.00
10,000 lb	21513	5 lb	\$398.00
Non-NTEP Certified			
250 lb	176426	3 lb	\$312.00
500 lb	17125	3 lb	\$312.00
15,000 lb	17155	9 lb	\$689.00
20,000 lb	17159	10 lb	\$689.00
NTEP Certified 50 ft Cable			
5,000 lb SE	196716	3 lb	\$360.00

SE=small envelope; LE=large envelope

Dimensions

Rated Capacity	T	L1	C1	W	H	D	C	F	G
lb/in									
250 to 500	1/2-20 UNF	0.62	0.53	1.25	1.00	5.12	1.00	3.00	0.50
1,000 to 5,000 SE	1/2-20 UNF	0.62	0.53	1.25	1.25	5.12	1.00	3.00	0.62
5,000 LE to 10,000	3/4-16 UNF	0.75	0.78	1.50	1.50	6.75	1.50	3.75	0.75
15,000 to 20,000	1-14 UNS	1.00	1.03	2.00	2.00	8.88	2.00	4.88	1.00



Interchangeable Products

VPG® CELTRON®

SQB.....page 191

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

RL50210TA.....page 37

RICE LAKE WEIGHING SYSTEMS

RL1800 Series.....page 48

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

349 to 355 ohm

Input Resistance:

343 to 357 ohm

Material/Finish:

High-alloy steel, nickel plated

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 V

Nonlinearity:

0.03% full scale

Hysteresis:

0.02% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:

250 to 1,500 lb: 0.013 in

1,000 to 5,000 SE lb: 0.017 to 0.025 in

5,000 LE to 10,000 lb: 0.025 to 0.035 in

15,000 to 20,000 lb: 0.048 to 0.063 in

Cable Length:

20 ft

Cable Diameter:

0.200 in

Polyurethane jacket

Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

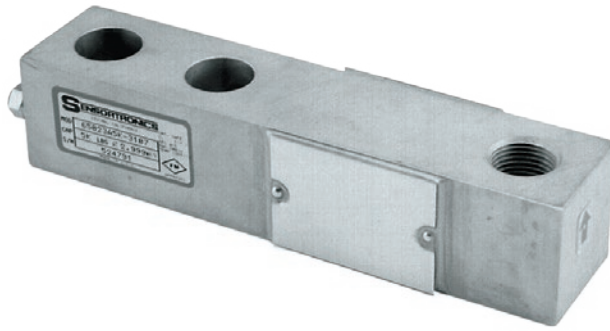
Warranty:

One-year limited

Approvals:

NTEP

cFMus



Picture is a representation of actual product

Approvals

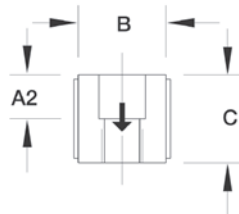
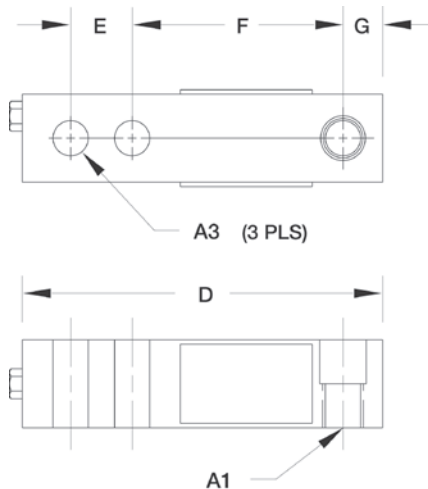


Order Information

Load Rating	Part #	Est. Weight	Price
Threaded Hole			
250 lb	46499	3 lb	\$387.00
500 lb	17188	3 lb	\$387.00
15,000 lb	17156	9 lb	\$805.00
20,000 lb	17160	9 lb	\$805.00

Dimensions

Rated Capacity	A1	A2	A3	B	C	D	E	F	G
lb/in									
250 to 500	1/2-20 UNF	0.50	0.53	1.25	1.00	5.12	1.00	3.00	0.50
15,000 to 20,000	1-14 UNS	1.00	1.03	2.00	2.00	8.88	2.00	4.88	1.00



Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

RL50210TA.....page 37

RICE LAKE WEIGHING SYSTEMS

RL1800 Series..... page 48

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

349 to 355 ohm

Input Resistance:

343 to 357 ohm

Material/Finish:

Stainless steel

Temperature:

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Nonlinearity:

0.03% full scale

Hysteresis:

0.02% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:

250 to 500 lb: 0.013 in

15,000 to 20,000 lb: 0.048 to 0.063 in

Cable Length:

20 ft

Cable Diameter:

0.200 in

Polyurethane jacket

Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

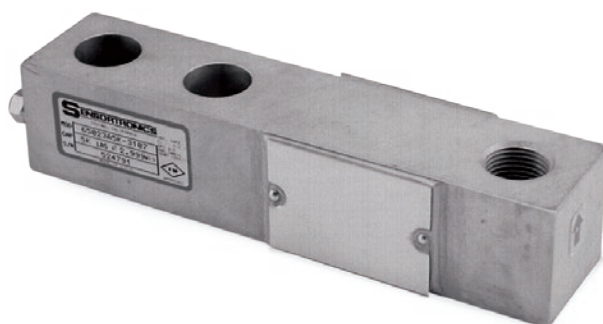
White -Signal

Warranty:

One-year limited

Approvals:

cFMus



Picture is a representation of actual product

Approvals



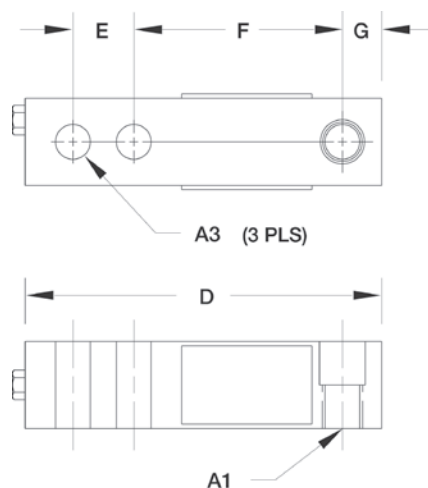
Order Information

Load Rating	Part #	Est. Weight	Price
Threaded Hole			
1,000 lb	28925	3 lb	\$365.00
2,000 lb	28926	3 lb	\$365.00
2,500 lb	28927	3 lb	\$365.00
2,500 lb*	170030	3 lb	\$365.00
4,000 lb	28929	3 lb	\$365.00
5,000 lb	28930	5 lb	\$455.00
10,000 lb	28931	5 lb	\$455.00

*65023S 2,500lb- 5513, low-profile 0.75 inches tall

Dimensions

Rated Capacity	A1	A2	A3	B	C	D	E	F	G
lb/in									
1,000 to 4,000	1/2-20 UNF	0.62	0.53	1.00	1.25	5.12	1.00	3.00	0.50
5,000 to 10,000	3/4-16 UNF	0.75	0.78	1.50	1.50	6.75	1.50	3.75	0.75



Interchangeable Products

VPG® SENSORTRONICS®

65023SS page 282

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

RL50210TA.....page 37

RICE LAKE WEIGHING SYSTEMS

RL1800 Series page 48

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

349 to 355 ohm

Input Resistance:

343 to 357 ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 V DC (15 V maximum)

Combined Error:

0.02% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:

500 to 1,000 lb: 0.013 in

1,500 to 4,000 lb: 0.017 to 0.025 in

5,000 to 10,000 lb: 0.025 to 0.035 in

15,000 to 20,000 lb: 0.048 to 0.063 in

Cable Length:

20 ft

Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

Warranty:

One-year limited

Approvals:

NTEP

cFMus



Picture is a representation of actual product

Approvals

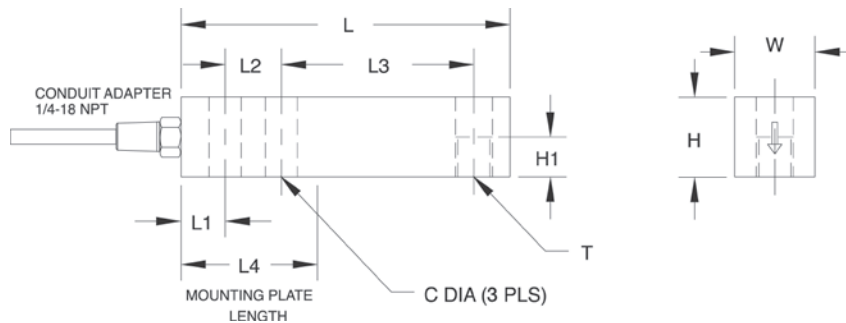


Order Information

Load Rating	Part #	Est. Weight	Price
1,000 lb	17262	3 lb	\$439.00
2,500 lb	17263	3 lb	\$439.00
4,000 lb	17264	3 lb	\$439.00
5,000 lb	17265	5 lb	\$455.00
10,000 lb	17266	5 lb	\$455.00

Dimensions

Rated Capacity	C	H	H1	L	L1	L2	L3	L4	T	W
lb/in										
1,000 to 4,000	0.53	1.22	0.61	5.12	0.62	1.00	3.00	2.25	1/2-20 UNF	1.22
5,000 to 10,000	0.78	1.50	0.75	6.75	0.75	1.50	3.75	3.00	3/4-16 UNF	1.50



Interchangeable Products

VPG® CELTRON®
SQB-HSS page 192

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS
RL50210TA.....page 37
RICE LAKE WEIGHING SYSTEMS
RL1800 Series page 48

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

349 to 355 ohm

Input Resistance:

343 to 357 ohm

Material/Finish:

Stainless steel

Temperature:

Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Welded-seal, IP67
(Conduit is recommended for maximum protection against the ingress of water and moisture through the cable entry.)

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.03% full scale

Non-repeatability:

0.01% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:

1,000 to 4,000 lb: 0.008 to 0.026 in
5,000 to 10,000 lb: 0.030 to 0.055 in

Cable Length:

20 ft

Cable Diameter:

0.220 in
PTFE jacket

Conduit Adapter Size:

1/4-18 NPT

Cable Color Code:

Red +Excitation
Black -Excitation
Green +Signal
White -Signal

Warranty:

One-year limited

Approvals:

cFMus



IP67 model

IP69K model

Picture is a representation of actual product

Approvals

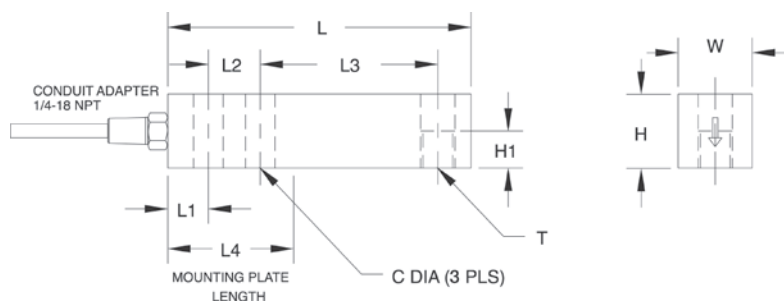


Order Information

Load Rating	Part #	Est. Weight	Price
Welded Seal IP67			
1,000 lb	33552	3 lb	\$450.00
2,500 lb	33553	3 lb	\$450.00
4,000 lb	33554	3 lb	\$450.00
5,000 lb	33555	5 lb	\$503.00
10,000 lb	33556	5 lb	\$503.00
Hermetically Sealed IP69K			
1,000 lb	33734	3 lb	\$535.00
2,500 lb	33735	3 lb	\$535.00
4,000 lb	33736	16 lb	\$535.00

Dimensions

Rated Capacity	C	H	H1	L	L1	L2	L3	L4	T	W
lb/in										
1,000 to 4,000	0.53	1.22	0.61	5.12	0.62	1.00	3.00	2.25	1/2-20 UNF	1.22
5,000 to 10,000	0.78	1.50	0.75	6.75	0.75	1.50	3.75	3.00	3/4-16 UNF	1.50



Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

RL50210TA.....page 37

RICE LAKE WEIGHING SYSTEMS

RL1800 Series.....page 48

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

349 to 355 ohm

Input Resistance:

343 to 357 ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Welded-seal, IP67

Hermetically sealed, IP69K

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 V DC (15 V maximum)

Combined Error:

0.02% full scale

Non-repeatability:

0.01% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:

1,000 to 4,000 lb: 0.012 in

5,000 to 10,000 lb: 0.030 in

Cable Length:

20 ft

Cable Diameter:

0.220 in

PTFE jacket

Conduit Adapter Size:

IP67: 1/4-18 NPT

IP69K: 1/2-14 NPT

Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

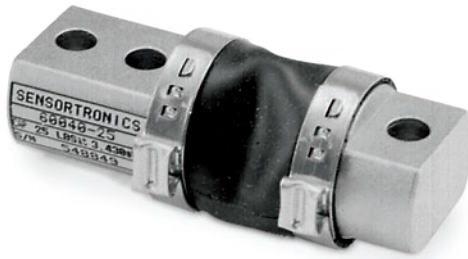
Warranty:

One-year limited

Approvals:

NTEP

cFMus



Picture is a representation of actual product

Approvals

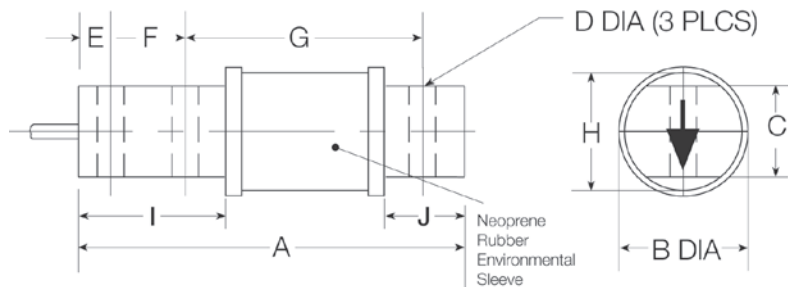


Order Information

Load Rating	Part #	Est. Weight	Price
25 lb	17369	2 lb	\$270.00
50 lb	17370	2 lb	\$270.00
75 lb	17371	2 lb	\$270.00
100 lb	17372	2 lb	\$270.00
150 lb	17373	2 lb	\$270.00
250 lb	17374	2 lb	\$270.00
500 lb	17375	2 lb	\$270.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	I	J
lb/in										
25 to 500	2.81	1.30	0.62	0.26	0.25	0.50	1.81	1.00	1.00	0.50



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL50210.....page 120

VPG® REVERE

5503

ARTECH®

50210

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

349 to 355 ohm

Input Resistance:

380 to 450 ohm

Material/Finish:

High-alloy steel, nickel plated

Temperature:

Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed with a neoprene sleeve,
IP65

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Nonlinearity:

0.03% full scale

Hysteresis:

0.02% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:

25 to 50 lb: 0.008 in
75 to 100 lb: 0.010 in
150 lb: 0.012 in
250 lb: 0.016 in
500 lb: 0.025 in

Cable Length:

20 ft

Cable Diameter:

0.200 in

Polyurethane jacket

Cable Color Code:

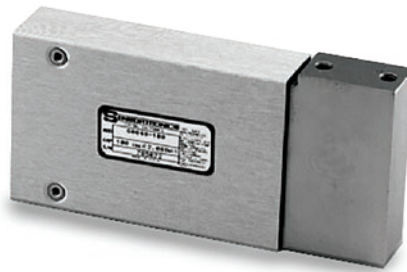
Red +Excitation
Black -Excitation
Green +Signal
White -Signal

Warranty:

One-year limited

Approvals:

cFMus



Picture is a representation of actual product

Approvals



Order Information

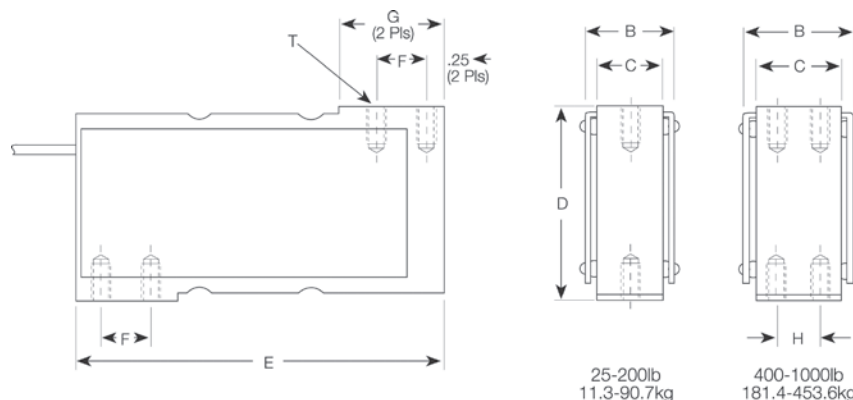
Load Rating		Part #	Est. Weight	Price
10 ft Cable				
50 lb		17421	4 lb	\$650.00
100 lb		17423	4 lb	\$650.00
200 lb		17425	4 lb	\$650.00
400 lb		17427	5 lb	\$685.00
500 lb		17429	5 lb	\$695.00
1,000 lb		17431	6 lb	\$750.00
25 ft Cable				
1,000 lb		17514	7 lb	\$795.00
Adapters				
Adapter kit	400 lb to 500 lb	25562	—	\$55.00
Single adapter	25 lb to 200 lb	17683	—	\$45.00

PN25562 is needed to convert 400 to 500lb capacity cells

PN17683 is needed to use the VPG SENSORTRONICS 60048 load cell in NCI model 3255 and 3256 bases, 50 to 200lb capacities

Dimensions

Rated Capacity	T	B	C	D	E	F	G	H
lb/in								
50 to 200	1/4-28 UNF × 0.75 DP	1.25	1.00	3.00	6.00	1.00	1.50	—
400 to 500	1/4-28 UNF × 0.75 DP	1.25	1.00	3.00	6.00	1.00	1.50	0.50
1,000	5/16-24 UNF × 0.75 DP	1.75	1.50	3.00	6.00	1.00	1.50	1.00



Interchangeable Products

NCI®/WEIGH-TRONIX®
Mark V

Specifications

Full Scale Output:

2.0 mV/V nominal

Output Resistance:

349 to 355 ohm

Input Resistance:

350 to 450 ohm

Material/Finish:

Stainless steel

Temperature:

Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Nonlinearity:

0.03% full scale

Hysteresis:

0.02% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:

50 to 100 lb: 0.013 in
200 lb: 0.015 in
400 to 500 lb: 0.023 in
1,000 lb: 0.016 in

Cable Length:

10 ft
25 ft

Cable Diameter:

0.200 in
Polyurethane jacket

Cable Color Code:

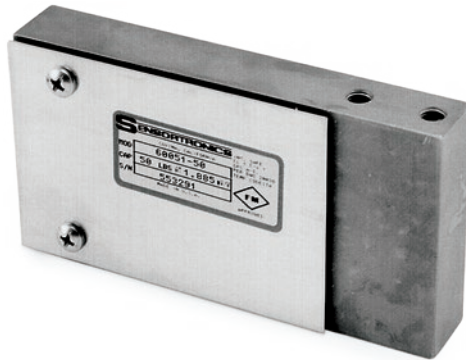
Red +Excitation
Black -Excitation
Green +Signal
White -Signal

Warranty:

One-year limited

Approvals:

cFMus



Picture is a representation of actual product

Approvals

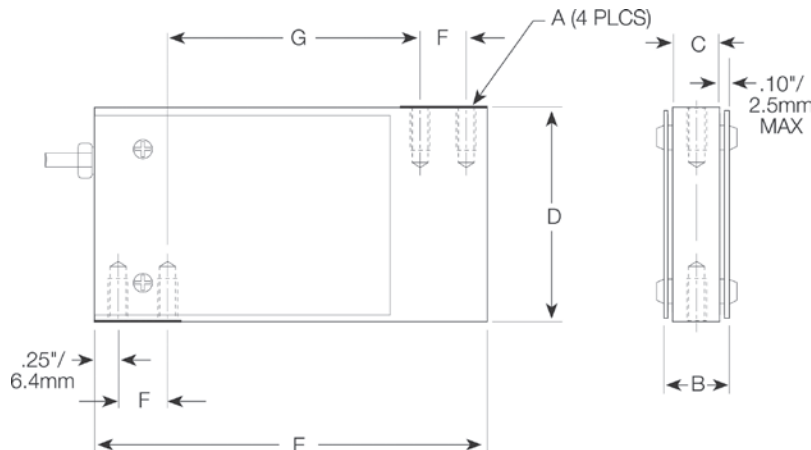


Order Information

Load Rating	Part #	Est. Weight	Price
10 lb	17432	2 lb	\$450.00
15 lb	17433	2 lb	\$450.00
25 lb	17434	2 lb	\$450.00
50 lb	17435	3 lb	\$450.00
100 lb	17436	3 lb	\$450.00
200 lb	17437	3 lb	\$450.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G
lb/in							
10 to 25	1/4-28 UNF	0.70	0.50	2.50	4.63	0.75	2.62
50 to 200	1/4-28 UNF	0.95	0.75	2.50	4.63	0.75	2.62



Interchangeable Products

NCI®/WEIGHTRONICS®

Mark III

NCI/WEIGHTRONICS

Mark IX

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

349 to 355 ohm

Input Resistance:

380 to 450 ohm

Material/Finish:

Stainless steel

Temperature:

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Nonlinearity:

0.03% full scale

Hysteresis:

0.02% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:

10 to 15 lb: 0.0014 in

25 to 200 lb: 0.0010 in

Cable Length:

10 ft

Cable Diameter:

0.200 in

Polyurethane jacket

Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

Warranty:

One-year limited

Approvals:

cFMus



Picture is a representation of actual product

Approvals

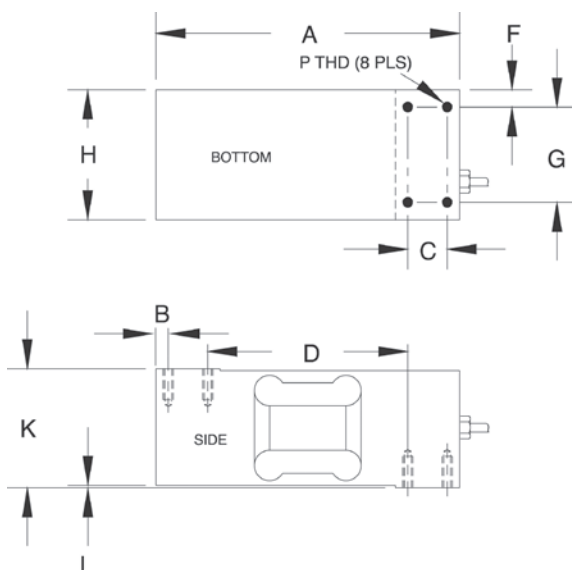


Order Information

Load Rating	Part #	Est. Weight	Price
NTEP Certified			
250 lb	17582	6 lb	\$385.00
300 lb	112689	6 lb	\$385.00
500 lb	17583	6 lb	\$385.00
750 lb	17584	6 lb	\$385.00
1,000 lb	17585	6 lb	\$385.00
2,000 lb	17586	6 lb	\$385.00
Non-NTEP Certified			
100 lb	36479	6 lb	\$385.00
150 lb	112688	6 lb	\$385.00

Dimensions

Rated Capacity	A	B	C	D	F	G	H	K	L	P
lb/in										
100 to 2,000	7.50	0.31	0.98	4.92	0.30	2.36	2.95	2.95	0.06	5/16-18-UNC x 0.75 DP



Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

349 to 355 ohm

Input Resistance:

400 nominal ohm

Material/Finish:

Aluminum, clear anodized

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 V DC (15 V maximum)

Combined Error:

0.02% full scale

Insulation Resistance:

5,000 megohm

Deflection at Capacity:

100 to 250 lb: 0.010 in

500 to 2,000 lb: 0.006 in

Cable Length:

10 ft

Cable Diameter:

0.200 in

Polyurethane jacket

Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

Max Platform Size:

30 x 30 in

Warranty:

One-year limited

Approvals:

NTEP

cFMus



Picture is a representation of actual product

Approvals



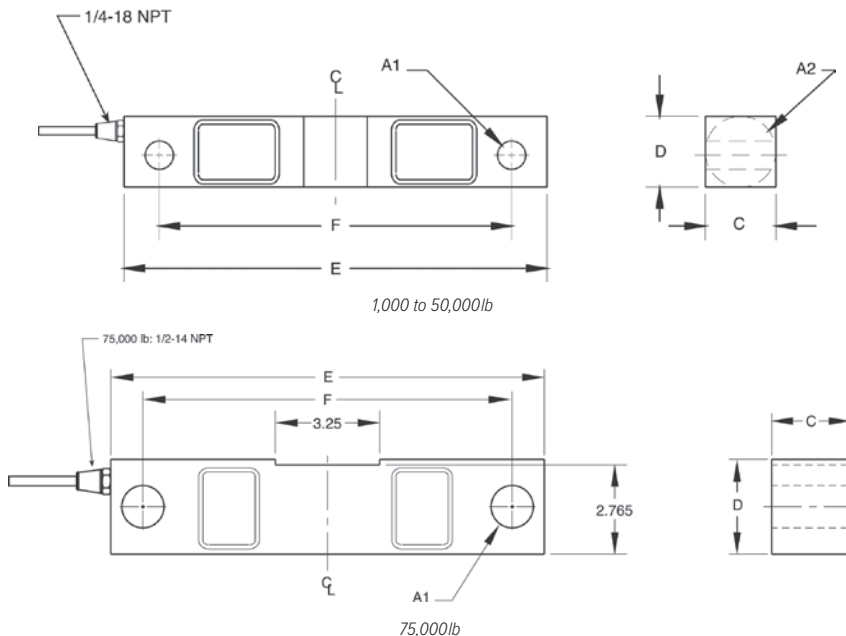
Order Information

Load Rating	Part #	Est. Weight	Price
1,000 lb	17268	4 lb	\$583.00
1,500 lb	17270	4 lb	\$583.00
2,500 lb	17273	4 lb	\$583.00
5,000 lb	17275	4 lb	\$583.00
10,000 lb	17277	7 lb	\$662.00
15,000 lb	17279	7 lb	\$662.00
20,000 lb	17281	7 lb	\$662.00
25,000 lb	17282	7 lb	\$662.00
35,000 lb	46498	8 lb	\$917.00
50,000 lb	17284	27 lb	\$1,033.00
75,000 lb*	25358	27 lb	\$1,033.00

*75,000lb capacity has a square center

Dimensions

Rated Capacity	A1	A2	C	D	E	F	CONDUIT ADAPTER
lb/in							
1,000 to 5,000	0.50	1.25	1.25	1.25	7.50	6.25	1/4-18 NPT
10,000 to 25,000	0.81	1.99	1.44	1.94	8.75	7.50	1/4-18 NPT
35,000	0.81	2.50	1.50	2.50	8.75	7.50	1/4-18 NPT
50,000	1.31	3.00	2.44	2.94	13.50	11.50	1/2-14 NPT
75,000	1.31	—	2.44	2.94	13.50	11.50	1/2-14 NPT



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS	
RL77032	page 128
RICE LAKE WEIGHING SYSTEMS	
RL75016	page 131
VPg® CELTRON®	
DSR	page 195
VPg® REVERE	
5203	

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS	
RL1600 Series	page 66 and page 67

Specifications

Full Scale Output:

3.0 mV/V nominal

Output Resistance:

699 to 707 ohm

Input Resistance:

686 to 714 ohm

Material/Finish:

High-alloy steel, nickel plated

Temperature:

Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Nonlinearity:

0.03% full scale

Hysteresis:

0.02% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

25 ft

Cable Diameter:

1,000 to 25,000 lb: 0.200 in
50,000 to 75,000 lb: 0.301 in
Polyurethane jacket

Cable Color Code:

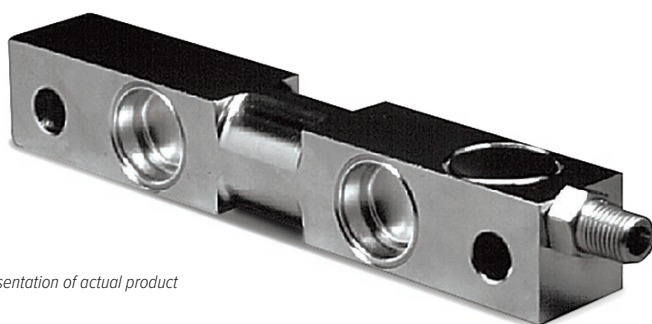
Red +Excitation
Black -Excitation
Green +Signal
White -Signal

Warranty:

One-year limited

Approvals:

cFMus



Picture is a representation of actual product

Approvals



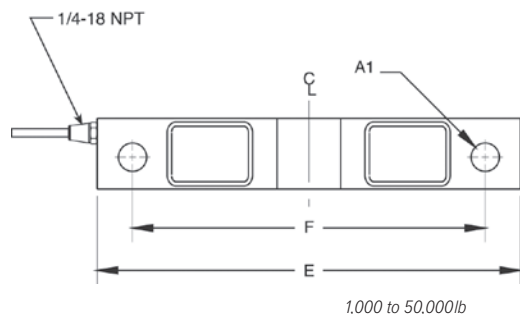
Order Information

Load Rating	Part #	Est. Weight	Price
1,000 lb	36295	4 lb	\$630.00
1,500 lb	36296	4 lb	\$630.00
2,000 lb	36297	4 lb	\$630.00
2,500 lb	36298	4 lb	\$630.00
5,000 lb	36299	4 lb	\$630.00
10,000 lb	36300	7 lb	\$715.00
15,000 lb	36301	7 lb	\$715.00
20,000 lb	36302	7 lb	\$715.00
25,000 lb	36303	7 lb	\$715.00
50,000 lb	36304	27 lb	\$1,479.00
75,000 lb*	36305	27 lb	\$1,479.00

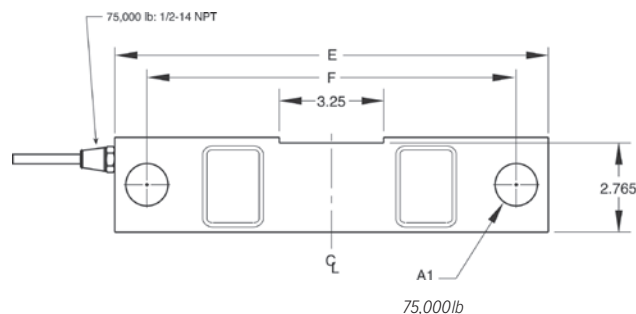
*75,000lb capacity has a square center

Dimensions

Rated Capacity	E	G	A1	A2	B	C	CONDUIT ADAPTER	F
lb/in								
1,000 to 5,000	0.50	1.25	1.25	1.25	7.50	6.25	1/4-18 NPT	1.12
10,000 to 25,000	0.81	1.99	1.44	1.94	8.75	7.50	1/4-18 NPT	1.62
50,000	1.31	3.00	2.44	2.94	13.50	11.50	1/2-14 NPT	3.75
75,000	1.31	—	2.44	2.94	13.50	11.50	1/2-14 NPT	3.75



1,000 to 50,000lb



75,000lb

Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL77032SS HE..... page 130

RICE LAKE WEIGHING SYSTEMS

RL75016WHE..... page 135

VPG® SENSORTRONICS®

65016WH..... page 292

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

RL1600 Series SS..... page 68

Specifications

Full Scale Output:

3.0 mV/V nominal

Output Resistance:

699 to 707 ohm

Input Resistance:

686 to 714 ohm

Material/Finish:

Stainless steel

Temperature:

Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Welded-seal, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Nonlinearity:

0.03% full scale

Hysteresis:

0.02% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

25 ft

Cable Diameter:

1,000 to 25,000 lb: 0.200 in
50,000 to 75,000 lb: 0.305 in
Polyurethane jacket

Cable Color Code:

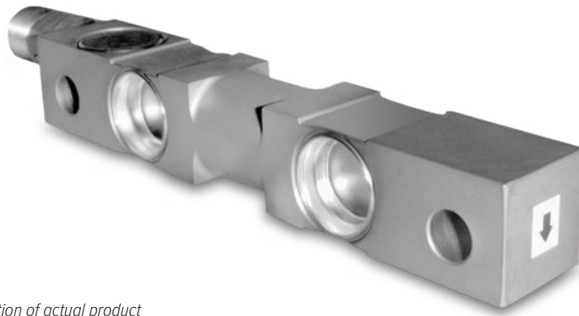
Red +Excitation
Black -Excitation
Green +Signal
White -Signal

Warranty:

One-year limited

Approvals:

cFMus



Picture is a representation of actual product

Approvals

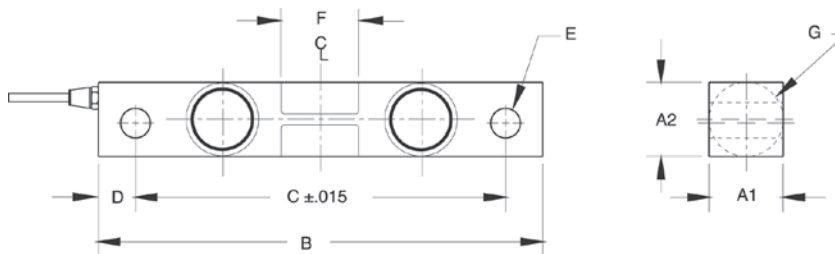


Order Information

Load Rating	Part #	Est. Weight	Price
1,000 lb	65827	4 lb	\$736.00
1,500 lb	65828	4 lb	\$736.00
2,000 lb	65829	4 lb	\$736.00
2,500 lb	65830	4 lb	\$736.00
5,000 lb	65831	4 lb	\$736.00
10,000 lb	65832	7 lb	\$843.00
15,000 lb	65833	7 lb	\$843.00
20,000 lb	65834	7 lb	\$843.00
25,000 lb	65835	7 lb	\$843.00

Dimensions

Rated Capacity	A1	A2	B	C	D	E	F	G	CONDUIT ADAPTER
lb/in									
1,000 to 5,000	1.22	1.22	7.50	6.25	0.62	0.50	1.12	1.25	1/2-14 NPT
10,000 to 25,000	1.44	1.94	8.75	7.50	0.62	0.81	1.62	1.99	1/2-14 NPT



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS	
RL77032SS HE	page 130
RICE LAKE WEIGHING SYSTEMS	
RL75016WHE	page 135
RICE LAKE WEIGHING SYSTEMS	
RL75016SS*	page 133
VPg® SENSORTRONICS®	
65016W*	page 291

*Welded-seal

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS	
RL1600 Series	page 70 and page 71

Specifications

Full Scale Output:

3.0 mV/V nominal

Output Resistance:

699 to 707 ohm

Input Resistance:

686 to 714 ohm

Material/Finish:

Stainless steel

Temperature:

Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Hermetically sealed, IP68

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Nonlinearity:

0.03% full scale

Hysteresis:

0.02% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

25 ft

Cable Diameter:

0.200 in
Polyurethane jacket

Cable Color Code:

Red +Excitation
Black -Excitation
Green +Signal
White -Signal

Warranty:

One-year limited

Approvals:

cFMus



Picture is a representation of actual product

Approvals



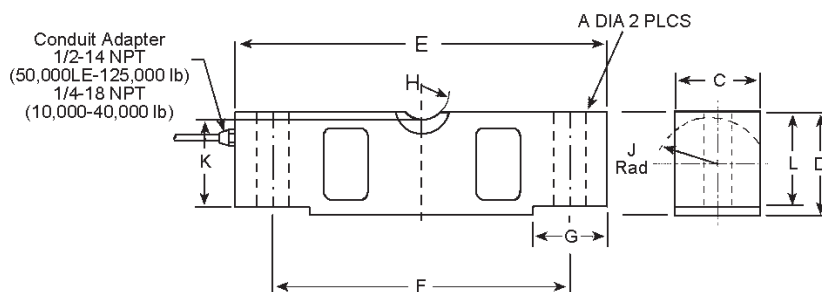
Order Information

Load Rating	Part #	Est. Weight	Price
NTEP Certified			
20,000 lb	21592	7 lb	\$673.00
25,000 lb	21593	7 lb	\$673.00
40,000 lb	21608	13 lb	\$805.00
50,000 lb SE	26081	13 lb	\$895.00
50,000 lb LE	21594	21 lb	\$895.00
60,000 lb	21595	21 lb	\$895.00
75,000 lb	21596	21 lb	\$895.00
100,000 lb	21609	40 lb	\$1,669.00
125,000 lb	21610	40 lb	\$1,669.00
Non-NTEP Certified			
10,000 lb	17287	7 lb	\$652.00
60 ft cable			
75,000 lb	39459	26 lb	\$911.00

SE=small envelope; LE=large envelope

Dimensions

Rated Capacity	A	C	D	E	F	G	H	J	K	L
lb/in										
10,000 to 25,000	0.68	1.69	1.94	7.75	6.50	1.38	0.75	0.90	1.63	1.70
40,000 to 50,000 SE	0.81	1.94	2.44	10.25	8.50	1.93	1.00	1.12	2.00	2.10
50,000 LE to 75,000	1.06	2.44	2.94	10.25	8.50	1.93	1.00	1.37	2.54	2.65
100,000 to 125,000	1.62	2.90	3.86	15.25	12.75	3.13	1.50	1.80	3.30	3.43



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL75058-LP page 137

VPG® CELTRON®

CLB page 196

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

RL2100 HE page 32

RICE LAKE WEIGHING SYSTEMS

MVS page 72

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

699 to 707 ohm

Input Resistance:

686 to 714 ohm

Material/Finish:

High-alloy steel, nickel plated

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 V DC (15 V maximum)

Combined Error:

0.02% full scale

Insulation Resistance:

1,000 megohm

Cable Length:

35 ft

Cable Diameter:

10,000 to 25,000 lb: 0.200 in

40,000 to 125,000 lb: 0.305 in

Polyurethane jacket

Cable Coloring:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

Warranty:

One-year limited

Approvals:

NTEP

cFMus



Picture is a representation of actual product

Approvals

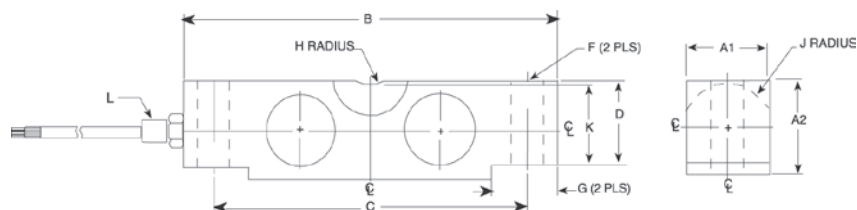


Order Information

Load Rating	Part #	Est. Weight	Price
35 ft Cable			
20,000 lb	45475	7 lb	\$927.00
25,000 lb	45476	7 lb	\$927.00
40,000 lb	45477	11 lb	\$1,160.00
50,000 lb	45478	14 lb	\$1,160.00
60,000 lb	45479	20 lb	\$1,160.00
75,000 lb	45480	20 lb	\$1,160.00
100,000 lb	45481	40 lb	\$2,433.00
125,000 lb	45482	40 lb	\$2,963.00
60 ft Cable			
75,000 lb	48698	20 lb	\$1,300.00

Dimensions

Rated Capacity	A1	A2	B	C	D	F	G	H	J	K	L
lb/in											
20,000 to 25,000	1.69	1.94	7.75	6.50	1.70	0.68	1.38	0.75	0.90	1.63	1/4-18 NPT
40,000	1.94	2.44	10.25	8.50	2.10	0.81	1.93	1.00	1.12	2.00	1/4-18 NPT
50,000 to 75,000	2.44	2.94	10.25	8.50	2.65	1.06	1.93	1.00	1.37	2.54	1/2-14 NPT
100,000	2.44	3.44	10.25	8.50	2.65	1.06	1.93	1.00	1.37	2.54	1/2-14 NPT
125,000	2.90	3.86	15.25	12.75	3.43	1.62	3.13	1.50	1.80	3.30	1/2-14 NPT



Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

RL2100 HE..... page 32

RICE LAKE WEIGHING SYSTEMS

MVS.....page 72

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

699 to 707 ohm

Input Resistance:

686 to 714 ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Welded-seal, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 V DC (15 V maximum)

Nonlinearity:

0.03% full scale

Hysteresis:

0.02% full scale

Insulation Resistance:

1,000 megohm

Cable Length:

35 ft

60 ft

Cable Diameter:

20,000 to 25,000 lb: 0.200 in

40,000 to 125,000 lb: 0.305 in

Polyurethane jacket

Cable Coloring:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

Warranty:

One-year limited

Approvals:

NTEP

cFMus



PN 154800 shown

Picture is a representation of actual product

Approvals



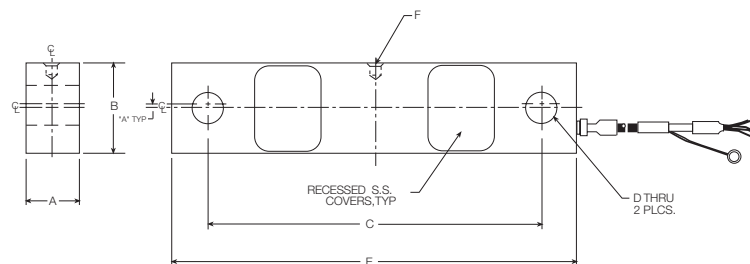
Order Information

Load Rating	Part #	Est. Weight	Price
Alloy Steel			
40,000 lb	47850	18 lb	\$1,275.00
50,000 lb* (environmentally sealed)	47851	18 lb	\$1,275.00
50,000 lb	154800	18 lb	\$1,275.00
Stainless Steel			
50,000 lb (welded-seal)	67387	18 lb	\$1,425.00
Mounting Assembly Accessories*			
Load Button	25524	1 lb	\$51.00
Load Pin	50807	1 lb	\$101.00
Bearing Screw	44837	1 lb	\$130.00
Bushing	50748	1 lb	\$42.00
Load Cell Stand	50767	1 lb	\$337.00
Support Pin	50747	1 lb	\$37.00
Washer	15180	1 lb	\$2.30
Cotter Pin	15244	1 lb	\$1.50
Load Button (use with 154800)*	154802	1 lb	\$45.00

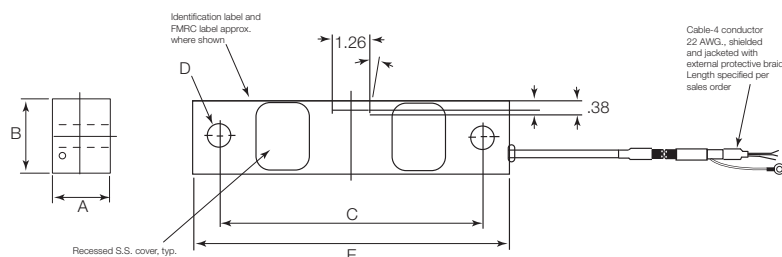
*Counterbored hole for load button

Dimensions

Rated Capacity	A	B	C	D	E	F
lb/in						
40,000	1.94	2.44	8.75	0.78	10.50	0.257 × 0.375 DP
50,000	1.94	2.44	8.75	0.78	10.50	0.257 × 0.375 DP



PN 47850, 47851, 67387



PN 154800

Interchangeable Products

FAIRBANKS®

Rodan 90814-40 k

FAIRBANKS

Rodan 91088-50 k

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

699 to 707 ohm

Input Resistance:

686 to 714 ohm

Material/Finish:

High-alloy steel, nickel plated
Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

PN 67387: Welded-seal, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 V DC (15 V maximum)

Combined Error:

0.02% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

60 ft, copper overbraid

Cable Diameter:

0.230 in

Polyurethane jacket

Cable Coloring:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

Warranty:

One-year limited

Approvals:

NTEP

cFMus



Picture is a representation of actual product

Approvals



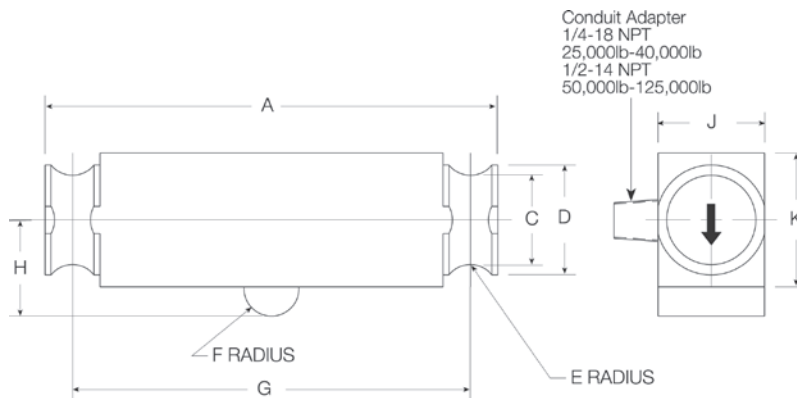
Order Information

Load Rating	Part #	Est. Weight	Price
NTEP Certified			
25,000 lb	21598	11 lb	\$673.00
40,000 lb	21599	11 lb	\$805.00
50,000 lb SE	69562	11 lb	\$805.00
50,000 lb	21600	19 lb	\$885.00
60,000 lb	21601	19 lb	\$885.00
75,000 lb	21602	19 lb	\$885.00
100,000 lb	21603	40 lb	\$1,670.00
125,000 lb	21604	40 lb	\$1,670.00

SE=small envelope

Dimensions

Rated Capacity	A	C	D	E	F	G	H	J	K
lb/in									
25,000 to 50,000 SE	8.25	1.63	2.00	0.50	0.50	7.25	1.75	1.94	2.44
50,000 to 75,000	11.50	1.70	2.20	0.75	1.00	10.00	2.00	1.94	2.94
100,000 to 125,000	14.50	2.44	3.20	1.00	1.50	12.50	2.75	2.90	3.86



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL75040 page 142

THURMAN®

TSC 840

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

Translink™ page 73

Specifications

Full Scale Output:

3.0mV/V

Output Resistance:

686 to 714 ohm

Input Resistance:

699 to 707 ohm

Material/Finish:

High-alloy steel, nickel plated

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 V DC (15 V maximum)

Combined Error:

0.02% full scale

Insulation Resistance:

1,000 megohm

Cable Length:

35 ft

Cable Diameter:

25,000 lb: 0.200 in

50,000 to 125,000 lb: 0.305 in

Polyurethane jacket

Cable Coloring:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

Warranty:

One-year limited

Approvals:

NTEP

cFMus



Picture is a representation of actual product

Approvals

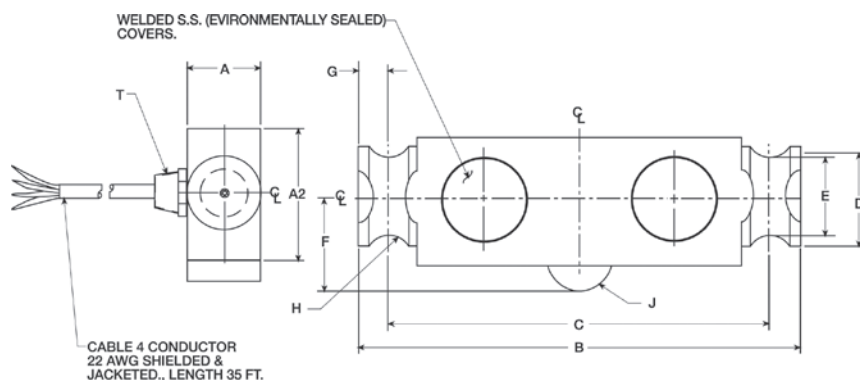


Order Information

Load Rating	Part #	Est. Weight	Price
25,000 lb	45467	15 lb	\$825.00
40,000 lb	45468	15 lb	\$995.00
50,000 lb	45469	25 lb	\$1,095.00

Dimensions

Rated Capacity	A	A2	B	C	D	E	F	G	H	J	T
lb/in											
25,000 to 40,000	1.94	2.44	8.25	7.25	2.00	1.63	1.75	0.50	0.50	0.50	1/4-18 NPT
50,000 to 75,000	1.94	2.94	11.50	10.00	2.20	1.70	2.00	0.75	0.75	1.00	1/4-18 NPT



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL75040 page 142

VPG® SENSORTRONICS®

65040A page 296

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

699 to 707 ohm

Input Resistance:

686 to 714 ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Welded-seal, IP68

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 V DC (15 V maximum)

Combined Error:

0.02% full scale

Insulation Resistance:

5,000 megohm

Cable Length:

35 ft

Cable Diameter:

25,000 lb: 0.200 in

40,000 to 75,000 lb: 0.301 in

Polyurethane jacket

Cable Coloring:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

Warranty:

One-year limited

Approvals:

NTEP

cFMus



Picture is a representation of actual product

Approvals

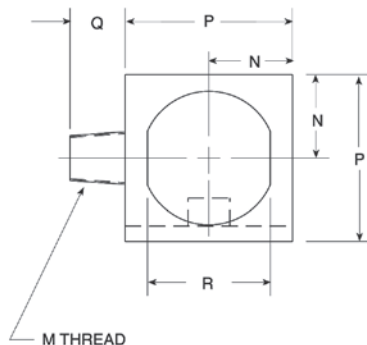
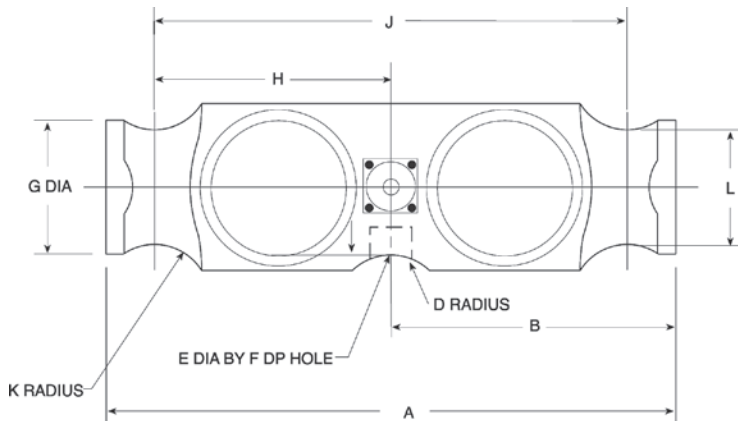


Order Information

Load Rating	Part#	Est. Weight	Price
50,000 lb	66080	18 lb	\$1,095.00
65,000 lb	87162	20 lb	\$1,095.00

Dimensions

Rated Capacity	A	B	D	E	F	G	H	J	K	L	M	N	P	Q	R
lb/in															
50,000 to 65,000	10.25	5.12	1.00	0.75	0.78	2.40	4.25	8.50	1.00	2.06	1/2-14 NPT	1.50	3.00	1.03	2.20



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL75223page 140

VPG® REVERE

5223page 257

ARTECH®

80210

THURMAN®

TSC 800

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

Translink™page 73

Specifications

Full Scale Output:

3.0 mV/V

Output Resistance:

686 to 714 ohm

Input Resistance:

699 to 707 ohm

Material/Finish:

High-alloy steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Welded-seal, IP67

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 V DC (15 V maximum)

Combined Error:

0.03% full scale

Non-repeatability:

0.01% full scale

Insulation Resistance:

1,000 megohm

Deflection at Capacity:

50,000 lb: 0.018 in

65,000 lb: 0.022 in

Cable Length:

40 ft

Cable Diameter:

0.305 in

Polyurethane jacket

Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

Warranty:

One-year limited

Approvals:

NTEP

cFMus



Picture is a representation of actual product

Approvals



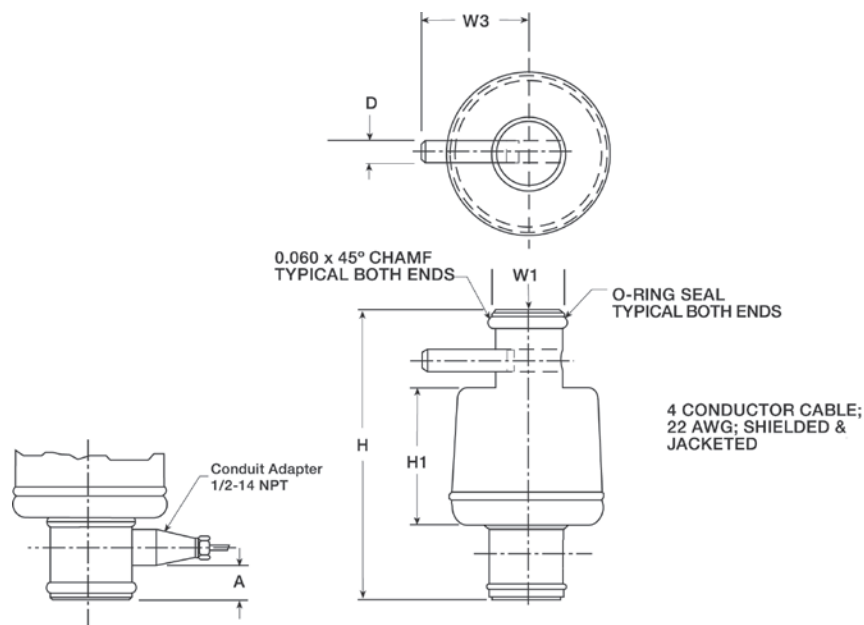
Order Information

Load Rating	Part #	Est. Weight	Price
50,000 lb	46497	5 lb	\$1,050.00
50,000 lb LE	47952	6 lb	\$1,050.00
Options			
Replacement anti-rotational pins	116181	1 lb	\$5.00
Replacement O-ring	92988	1 lb	\$1.00

LE=large envelope

Dimensions

Rated Capacity	A	D	H	H1	H2	W1	W2	W3
lb/in								
50,000	0.62	0.38	6.00	2.82	1.59	1.46	1.46	2.50
50,000 LE	0.62	0.38	7.56	2.82	1.59	1.46	1.46	2.50



Interchangeable Products

FAIRBANKS®
63951

Specifications

Full Scale Output:

2.0 mV/V nominal

Output Resistance:

1,000 (± 10 ohm)

Input Resistance:

1,000 ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Hermetically sealed, IP68

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 V DC (15 V maximum)

Combined Error:

0.03% full scale

Insulation Resistance:

1,000 megohm

Cable Length:

35 ft

Cable Diameter:

0.305 in

Polyurethane jacket

Cable Color Code:

Red +Excitation

Black -Excitation

Green +Signal

White -Signal

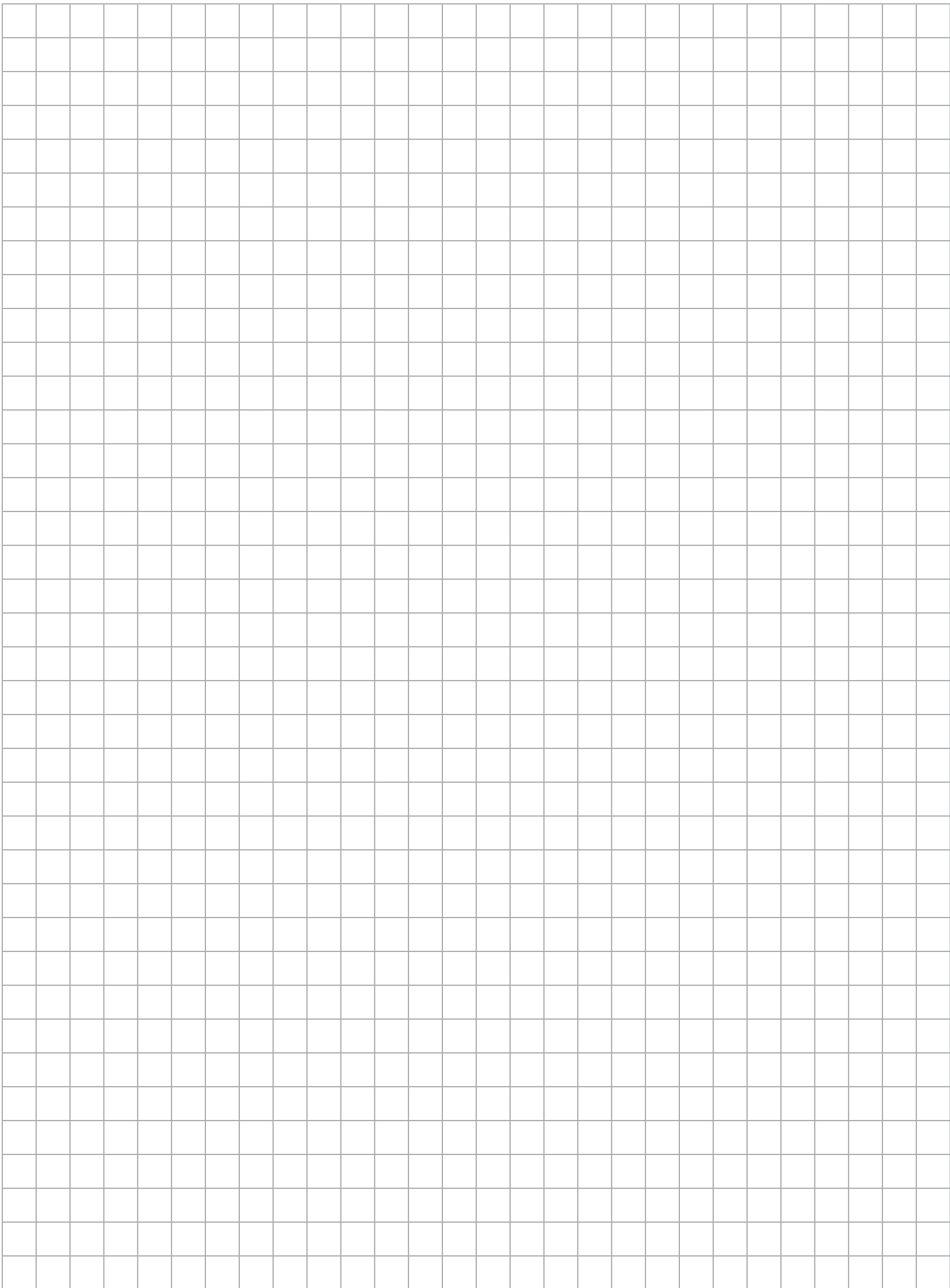
Warranty:

Two-year limited

Approvals:

NTEP

cFMus



S-BEAMS

Page 305

620, STAINLESS STEEL



Ideally suited for harsh environments, lever conversions, hoppers/tanks, vibratory feeders, general -purpose weighing and force measurement applications. The stainless steel, welded cavity design provides protection against water and corrosive materials. Capacities range from 500 to 2,000 kg. Complete with 5 m of load cell cable.



SINGLE-ENDED

Page 306

3411/3421, ALLOY STEEL AND STAINLESS STEEL



Single-ended beam available in both alloy and stainless steel with NTEP Certification. These products are ideal for low-profile platforms, pallet truck weighers, tanks and silos while providing stability for more severe weighing applications. Both versions are available in 1,000 to 5,000 lb capacities, with the 10,000 lb capacity module available in stainless steel. Complete with 10 ft of load cell cable.



Page 307

3510-NTEP, STAINLESS STEEL



Low profile and all-welded sealing combined with high accuracy make the 3510 ideally suited for low-profile platforms, weigh modules, tanks and silos. Hermetic sealing and polyurethane shielded cable enable this load cell to function in harsh environments while maintaining its operating specifications. Capacities range from 1,000 to 4,000 lb.



Page 308

3510-OIML, STAINLESS STEEL



OIML-approved, 6,000 division single-ended beam. Low profile and all-welded sealing combined with high accuracy makes this model suited for low-profile platforms, weigh modules, tanks and silos. Polyurethane shielded cable enables function in harsh environments while maintaining its operating specifications. Capacities range from 500 to 5,000 kg.



Page 309

355, STAINLESS STEEL



Welded stainless steel construction, welded sealing and polyurethane shielded cable enables function in harsh environments while maintaining its operating specifications. Suitable for low-profile platforms, weighing and packing machines, electromechanical conversions and general-purpose weighing applications. Capacities range from 5 to 500 kg.



SINGLE POINTS

Page 310

1022, ALUMINUM



Low-profile, single point load cell designed for direct mounting in low-cost platforms. Anodized aluminum construction is combined with two-beam machined technology to provide an affordable load cell option. Capacities range from 3 to 35 kg. Complete with 0.5 or 3 m of load cell cable.



Page 311

1010/1015, ALUMINUM



Off-center loading load cell designed for direct mounting of a weighing platform and simplified construction of platform scales. Long-term stability and durability are maintained. Load cells with potted cavities are available for improved performance in damp environments. The model 1015 has a balanced bridge for applications where multiple cells are used. Capacities range from 3 to 90 kg.



VPG Tedea-Huntleigh

SINGLE POINTS

Page 312

1030, ALUMINUM



This low-profile, three-beam single point load cell is insensitive to off-center loads, providing accurate results. Coated with a unique humidity-resistant protective coating to assure long-term stability in harsh environments and extreme temperatures. Capacities range from 5 to 10 kg. Complete with 1 m of load cell cable.



Page 313

1042, ALUMINUM



A lower profile single point load cell for platform weighing. This model is constructed of aluminum and is a two-beam design. This design offers high immunity to side forces and is specially coated to provide humidity resistance. Capacities range from 1 to 100 kg. Complete with 3 m of load cell cable.



Page 314

1040, ALUMINUM



Low-profile, off-center loading load cell. Designed for direct mounting of weighing platforms, hanging scales and other low-capacity beam applications. Long-term stability and durability are maintained. Load cells with potted cavities are available for improved performance in damp environments. Capacities range from 5 to 100 kg.



Page 315

1130, STAINLESS STEEL



Stainless steel, single point load cell designed for high performance in harsh environments. This product is primarily designed for platform weighing but is cost-effective to make it an appropriate selection for numerous applications. Capacities range from 7.5 to 100 kg. Complete with 1.5, 3 or 8 m of load cell cable.



Page 316

1140, STAINLESS STEEL



Low-profile, off-center loading load cell designed for direct mounting of weighing platforms, hanging scales and other low capacity beam applications. Stainless steel construction and a unique humidity-resistant protective coating provide long-term stability, even in harsh environments. Load cells are potted for improved performance in damp environments. Capacities range from 15 to 150 kg.



Page 317

1240, STAINLESS STEEL



Compact in design, this low-profile single point load cell is ideally suited for light-industrial or people-weighing applications where deck height is a concern. The three-beam design makes the load cell less likely to be impacted by side forces and mounting imperfections. It features stainless steel construction and humidity-resistant coating for use in harsh environments with extreme temperatures. Capacities range from 200 to 250 kg. Complete with 3 m of load cell cable.



SINGLE POINTS

Page 318

1142, STAINLESS STEEL



The perfect selection for new or retrofit scales with compact size, high accuracy and low cost. Stainless steel construction with a humidity-resistant protective coating helps ensure stable operation in damp environments. NTEP Certified and available with OIML approval. Capacities range from 10 to 150 kg. Complete with 10 ft of load cell cable.



Page 319

1260, ALUMINUM



High-capacity, off-center loading aluminum single point load cell. This model is of the two-beam design and is specially coated to ensure durability in harsh environments. Capacities range from 50 to 635 kg. Complete with 3 m of load cell cable.



Page 320

1260S, ALUMINUM



This single-point, off-center loading aluminum load cell is designed for high-capacity applications and harsh environments. NTEP Certified to 10,000 divisions. Capacities range from 75 to 635 kg. Complete with 3 m of load cell cable.



Page 321

1263, ALUMINUM

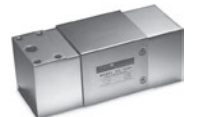


Constructed of high-quality aluminum and offers high immunity to side loads, making it suitable for a wide array of applications like bench scales and process weighing. Its special humidity-resistant protective coating helps ensure long-term stability over the entire compensated range. OIML-approved capacities range from 50 to 635 kg. Complete with 1.5 m of load cell cable.



Page 322

1250, ALUMINUM



High-capacity, off-center loading load cell accurately weighs loads from 50 to 1,000 kg. Long-term stability and durability are maintained. Load cells are potted for improved performance in damp environments.



Page 323

1320, ALUMINUM



Single point load cell featuring individual adjustment to eliminate corner errors and direct mounting of low-profile platforms to simplify the construction of floor scales, weigh bars, hanging scales and other types of weighing devices. Capacities range from 1,000 to 2,000 kg.



VPG Tedea-Huntleigh

SINGLE POINTS

Page 324

1510, STAINLESS STEEL



A stainless steel, welded-seal single point load cell ideally suited for washdown applications. Suitable for use with a variety of platform and monorail scales in sanitary environments. Capacities range from 100 to 500 kg.



Page 325

240, ALLOY STEEL/STAINLESS STEEL, FLUID DAMPED



Designed to decrease weighing time and improve weighing accuracy in high-speed weighing applications. When damped, this model endures harsh conditions with shock-loading applications longer than undamped models. Sealed for protection in washdown situations. Capacities range from 2 to 50 kg.



Page 326

9010, ALUMINUM, FLUID DAMPED



A self-contained weighing module for use in repeated shock-loading applications or where fast weighing and settling times are required. Each is custom-manufactured per specific application requirements. Capacities range from 3 to 50 kg.



Page 327

9010 APPLICATION DEFINITION FORM

PLANAR BEAM

Page 328

380, ALUMINUM



Low-profile planar beam designed for a range of capacities and direct mounting in platform scales. Capacities range from 7.5 to 150 kg. Complete with 1.5 m of flat ribbon PVC cable.



COMPRESSION CANISTER

Page 329

220, STAINLESS STEEL



Bending ring load cell with low profile design ideal for high-capacity weighing applications, including weighbridges, tanks, silos, high-capacity platform scales and force measurement. OIML-approved capacities range from 5,000 to 30,000 kg.



Page 330

120, STAINLESS STEEL



Stainless steel, welded-seal compression canister offered in capacities from 20,000 to 50,000 kg. Includes load cup and load pin.



Picture is a representation of actual product

Approvals



Available
upon
request

Available
upon
request

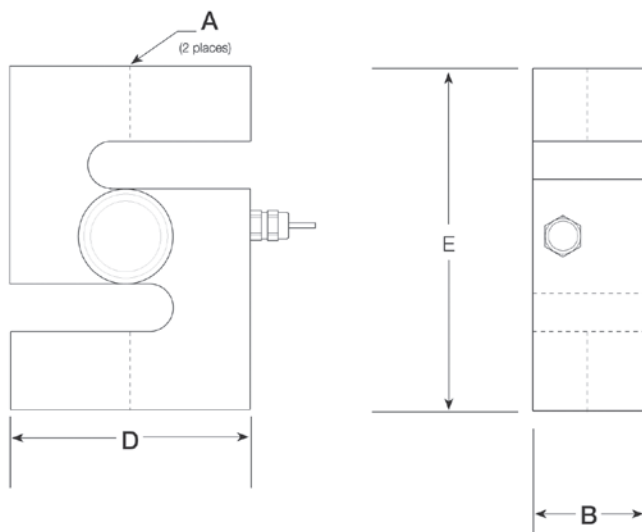
Order Information

Load Rating	Part #	Est. Weight	Price
500 kg	36389	4 lb	\$895.00
1,000 kg	36390	4 lb	\$895.00
2,000 kg	36391	4 lb	\$895.00

Dimensions

Rated Capacity	A	B	D	E
kg/mm				
500 to 1,000	1/2-20 UNF	33.5	73.2	94.0
2,000	3/4-16 UNF	33.5	73.2	94.0

Metric threads available



Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

ITCM Isolated Tension

Cell Mount.....page 34

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

350 (± 3) ohm

Input Resistance:

400 (± 20) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:
14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Welded-seal, IP68

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.02% full scale

Insulation Resistance:

1,000 megohm

Cable Length:

5 m

Cable Diameter:

0.220 in

Polyurethane jacket

Cable Color Code:

Blue +Excitation

Black -Excitation

White +Signal

Red -Signal

Green +Sense

Grey -Sense

Warranty:

One-year limited

Approvals:

NTEP

Ex (Available upon request)

OIML (Available upon request)



Picture is a representation of actual product

Approvals



Available
upon
request

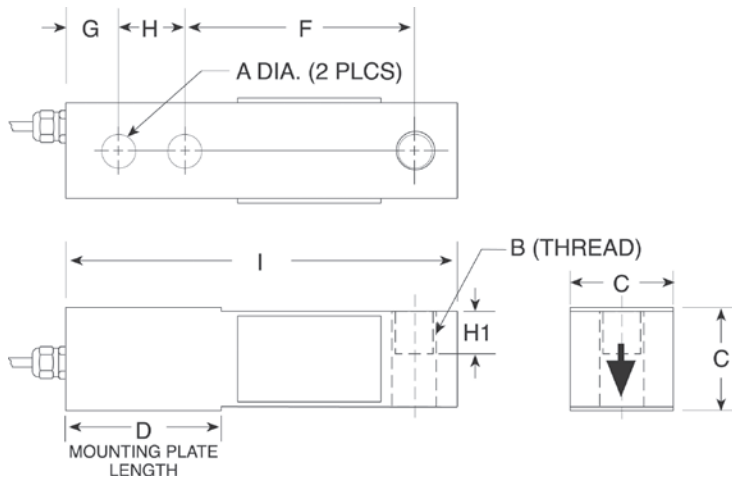
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request

Order Information

Load Rating	Part #	Est. Weight	Price
Alloy Steel			
1,000 lb	29903	3 lb	\$325.00
2,500 lb	29904	3 lb	\$325.00
4,000 lb	29905	3 lb	\$325.00
5,000 lb	29906	4 lb	\$325.00
Stainless Steel			
1,000 lb	47871	3 lb	\$450.00
2,500 lb	47872	3 lb	\$450.00
4,000 lb	47873	3 lb	\$450.00
5,000 lb	47874	4 lb	\$515.00
10,000 lb	47875	4 lb	\$575.00

Dimensions

Rated Capacity	A	B	C	D	F	G	H	H1	I
lb/in									
1,000 to 4,000	0.53	1/2-20 UNF	1.24	2.25	3.00	0.63	1.00	0.60	5.12
5,000 to 10,000	0.78	3/4-16 UNF	1.49	3.00	3.75	0.75	1.50	0.75	6.75



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS
RL30000Ipage 110

RICE LAKE WEIGHING SYSTEMS
RL39123*page 113

VPG® REVERE
5123page 246

VPG REVERE
9123*page 247

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS
RL50210TApage 37

RICE LAKE WEIGHING SYSTEMS
RL1800 Seriespage 48

*Stainless steel

Specifications

Full Scale Output:
3.0 mV/V

Output Resistance:
351 (± 5) ohm

Input Resistance:
385 (± 10) ohm

Material/Finish:
High-alloy, nickel plated
Stainless steel

Temperature:
Compensated:
14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:
Environmentally sealed, IP67

Safe Overload:
150% full scale

Safe Sideload:
100% full scale

Rated Excitation:
5 to 10 VDC (15 V maximum)

Combined Error:
0.03% full scale

Insulation Resistance:
2,000 megohm

Deflection at Capacity:
0.015 in

Cable Length:
10 ft

Cable Diameter:
0.200 in
PVC jacket

Cable Color Code:
Red +Excitation
Black -Excitation
Green +Signal
White -Signal
Blue +Sense
Brown -Sense

Warranty:
One-year limited

Approvals:
NTEP
OIML (Available upon request)
cFMus
Ex (Available upon request)

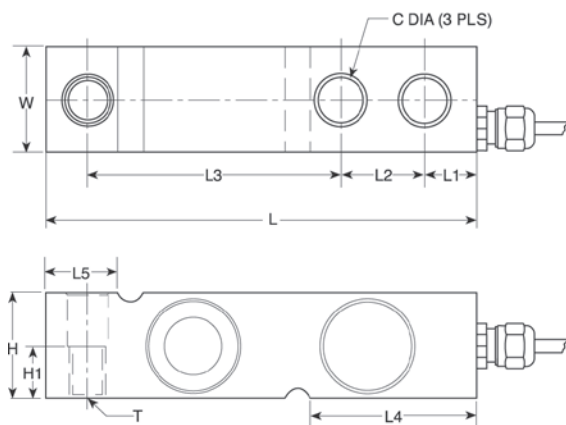


Approvals



Load Rating	Part #	Est. Weight	Price
1,000 lb	36458	3 lb	\$675.00
1,500 lb	36459	3 lb	\$675.00
2,500 lb	36460	3 lb	\$675.00
4,000 lb	36461	3 lb	\$675.00

Rated Capacity	C	H	H1	L	L1	L2	L3	L4	L5	T	W
lb/in											
1,000 to 4,000	0.53	1.26	0.63	5.12	0.62	1.00	3.00	1.97	0.91	1/2-14 UNF	1.26



NTEP
cFMus



Picture is a representation of actual product

Approvals



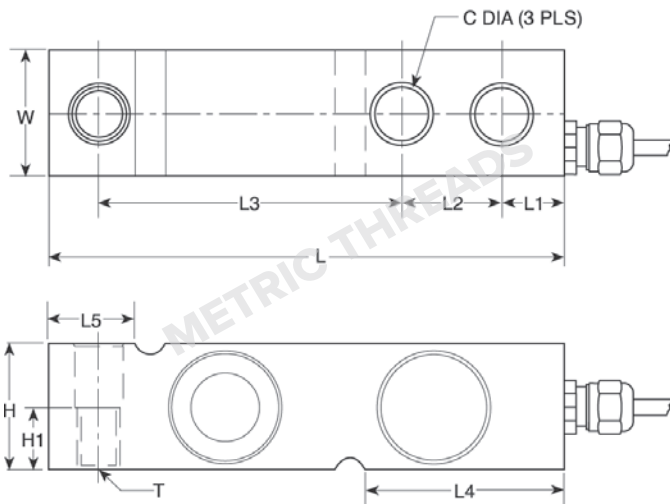
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Order Information

Load Rating	Part #	Est. Weight	Price
500 kg	30161	3 lb	\$675.00
1,000 kg	30162	3 lb	\$675.00
2,000 kg	30163	3 lb	\$675.00
5,000 kg	30164	5 lb	\$675.00

Dimensions

Rated Capacity	C	H	H1	L	L1	L2	L3	L4	L5	T	W
kg/mm											
500 to 2,000	13.5	32.0	16.0	130.0	15.8	25.4	76.2	50.5	23.5	M12 × 1.75 Thrd.	32.0
5,000	20.5	48.0	—	171.5	19.0	38.1	95.3	70.0	37.0	—	36.5



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RLHTOpage 115

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

RL1700 HEpage 29

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

350 (± 3) ohm

Input Resistance:

380 (± 10) ohm

Material/Finish:

Stainless steel

Temperature:

Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Welded-seal, IP68

Safe Overload:

150% full scale

Safe Sideload:

100% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.02% full scale

Insulation Resistance:

2,000 megohm

Deflection at Capacity:

0.015 in

Cable Length:

5 m

Cable Diameter:

5.5 mm
Polyurethane jacket

Cable Color Code:

Blue +Excitation
Black -Excitation
White +Signal
Red -Signal
Green +Sense
Gray -Sense

Warranty:

One-year limited

Approvals:

OIML
cFMus
Ex (Available upon request)



Picture is a representation of actual product

Approvals



Available
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request

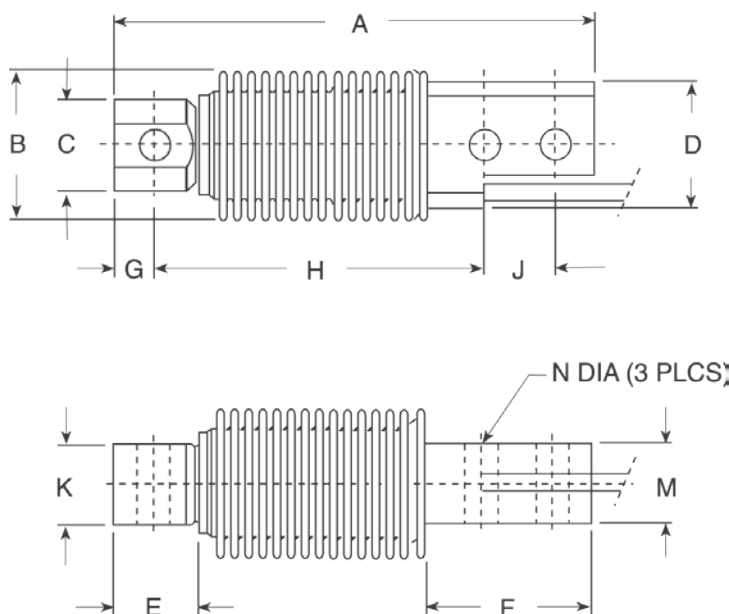
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Order Information

Load Rating	Part #	Est. Weight	Price
5 kg	30165	2 lb	\$575.00
10 kg	30166	2 lb	\$575.00
20 kg	30167	2 lb	\$575.00
50 kg	30168	2 lb	\$575.00
100 kg	30169	2 lb	\$575.00
200 kg	30170	2 lb	\$575.00
500 kg	36463	2 lb	\$575.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	J	K	M	N
kg/mm												
5 to 500	120.0	40.0	23.0	32.0	20.5	45.5	10.0	82.0	18.0	20.0	20.0	8.2



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL9018SS page 109

VPG® REVERE

SHB page 253

HBK®

Z6 page 226

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

RL1700 HE page 29

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

355 (± 5) ohm

Input Resistance:

380 (± 10) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Welded-seal, IP68

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.02% full scale

Insulation Resistance:

2,000 megohm

Deflection at Capacity:

0.4 mm

Cable Length:

3 m

Cable Diameter:

5.5 mm

Polyurethane jacket

Cable Color Code:

Blue +Excitation

Black -Excitation

White +Signal

Red -Signal

Green +Sense

Grey -Sense

Warranty:

One-year limited

Approvals:

NTEP

OIML (Available upon request)

cFMus

Ex (Available upon request)



Picture is a representation of actual product

Approvals



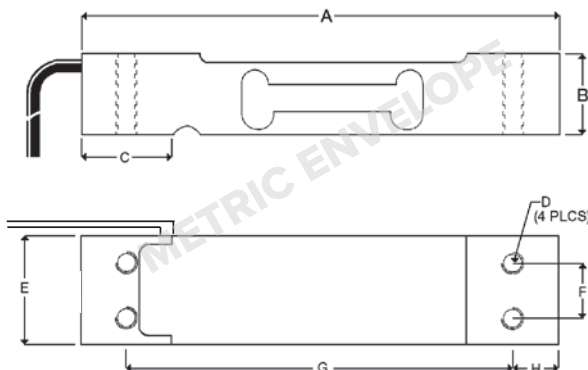
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Order Information

Load Rating	Part #	Est. Weight	Price
1.5 ft Cables NTEP Certified			
3 kg	41135	2 lb	\$150.00
5 kg	41136	2 lb	\$150.00
7 kg	41137	2 lb	\$150.00
10 kg	41138	2 lb	\$150.00
15 kg	41139	2 lb	\$150.00
20 kg	41140	2 lb	\$150.00
30 kg	41141	2 lb	\$150.00
35 kg	41142	2 lb	\$150.00
10 ft Cables NTEP Certified			
3 kg	132269	2 lb	\$150.00
5 kg	132270	2 lb	\$150.00
7 kg	132271	2 lb	\$150.00
10 kg	132272	2 lb	\$150.00
15 kg	132273	2 lb	\$150.00
20 kg	132274	2 lb	\$150.00
30 kg	132275	2 lb	\$150.00
35 kg	132276	2 lb	\$150.00
1.5 ft Cables OIML Approved			
10 kg	150770	2 lb	\$150.00
15 kg	150771	2 lb	\$150.00
20 kg	150772	2 lb	\$150.00
30 kg	150773	2 lb	\$150.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H
kg/mm								
3 to 7	130.0	22.0	25.0	M6 × 1.0	25.4	15.0	106.0	12.0
10 to 30	130.0	22.0	25.0	M6 × 1.0	30.0	15.0	106.0	12.0
35	130.0	22.0	25.0	M6 × 1.0	40.0	15.0	106.0	12.0



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL1521A..... page 157

VPG® CELTRON®

LPS..... page 197

VPG® BLH®

C2G1

NMB®

C2G1

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

350 (± 3) ohm

Input Resistance:

415 (± 15) ohm

Material/Finish:

Anodized aluminum

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP66

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.02% full scale

Insulation Resistance:

2,000 megohm

Cable Length:

3 m

0.5 m

Cable Diameter:

3.5 mm

PVC jacket

Cable Color Code:

Green +Excitation

Black -Excitation

Red +Signal

White -Signal

Max Platform Size:

0.35 × 0.35 mm

Warranty:

One-year limited

Approvals:

NTEP

OIML

cFMus

Ex (Available upon request)



Picture is a representation of actual product

Approvals



Order Information

Load Rating	Part #	Est. Weight	Price
1010 NTEP Certified, Potted			
10 kg	33727	2 lb	\$215.00
15 kg	33728	2 lb	\$215.00
20 kg	33729	2 lb	\$215.00
30 kg	33730	2 lb	\$215.00
50 kg	33731	2 lb	\$215.00
1010 Non-NTEP, Potted			
5 kg	17462	2 lb	\$215.00
7 kg	17463	2 lb	\$215.00
10 kg	17464	2 lb	\$215.00
20 kg	17482	2 lb	\$215.00
30 kg	17475	2 lb	\$215.00
50 kg	17476	2 lb	\$215.00
90 kg	17471	2 lb	\$215.00
1010 NTEP Certified, Unpotted			
5 kg	33732	2 lb	\$198.00
7 kg	33733	2 lb	\$198.00
1010 Non-NTEP, Unpotted			
3 kg	17481	1.2 lb	\$198.00
1015 NTEP Certified, Potted			
7 kg	188806	2 lb	\$230.00
10 kg	188807	2 lb	\$230.00
15 kg	188808	2 lb	\$230.00
20 kg	188809	2 lb	\$230.00
30 kg	188810	2 lb	\$230.00
50 kg	188811	2 lb	\$230.00
1015 Non-NTEP, Potted			
3 kg	188804	1.2 lb	\$230.00
90 kg	188812	2 lb	\$230.00

Note: Model 1015 has M6 metric threads

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	K	L	M	N
kg/mm												
3 to 90	118.0	34.0	3.0	110.5	66.0	80.0	25.0	(1010) 1/4-20 UNC x 13 DP (1015) M6 Metric	7.5	19.1	25.4	33.5

Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL1010.....page 158

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

350 (± 3) ohm

Input Resistance:

Model 1010: 415 (± 15) ohm

Model 1015: 350 (± 3) ohm

Material/Finish:

Aluminum

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed

Potted: IP67

Unpotted: IP65

Safe Overload:

150% at center of loading point, full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.02% full scale

Deflection at Capacity:

0.4 mm

Cable Length:

3 m

Cable Diameter:

5 mm

PVC jacket

Cable Color Code:

Green +Excitation

Black -Excitation

Red +Signal

White -Signal

Blue +Sense

Brown -Sense

Max Platform Size:

400.05 x 400.05 mm

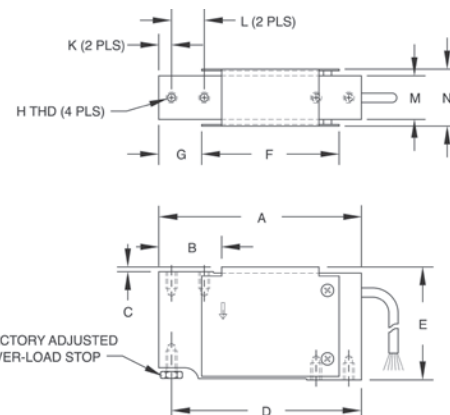
Warranty:

One-year limited

Approvals:

NTEP

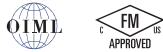
cFMus





Picture is a representation of actual product

Approvals

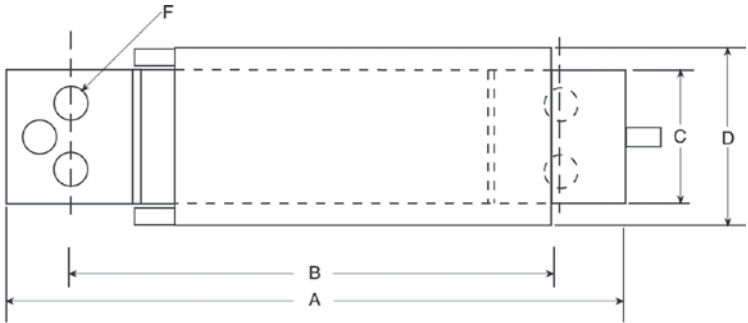


Order Information

Load Rating	Part #	Est. Weight	Price
5 kg	47883	1 lb	\$295.00
7 kg	47884	1 lb	\$295.00
10 kg	47885	1 lb	\$295.00

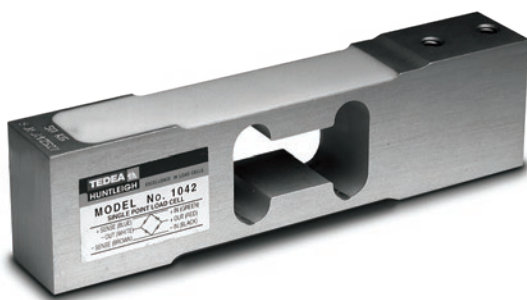
Dimensions

Rated Capacity	A	B	C	D	E	F
kg/mm						
5 to 10	117.9	93.7	25.4	33.3	32.5	1/4-20 UNC x 10 DP



Specifications

- Full Scale Output:**
2.0 mV/V
- Output Resistance:**
350 (± 3) ohm
- Input Resistance:**
415 (± 15) ohm
- Material/Finish:**
Anodized aluminum
- Temperature:**
Operating:
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**
Environmentally sealed, IP65
- Safe Overload:**
150% full scale
- Rated Excitation:**
5 to 10 VDC (15 V maximum)
- Combined Error:**
0.02% full scale
- Insulation Resistance:**
5,000 megohm
- Deflection at Capacity:**
0.4 mm
- Cable Length:**
1 m
- Cable Diameter:**
0.200 in
PVC jacket
- Cable Color Code:**
Green +Excitation
Black -Excitation
Red +Signal
White -Signal
Blue +Sense
Brown -Sense
- Max Platform Size:**
13.78 x 13.78 in
- Warranty:**
One-year limited
- Approvals:**
OIML
cFMus



Picture is a representation of actual product

Approvals



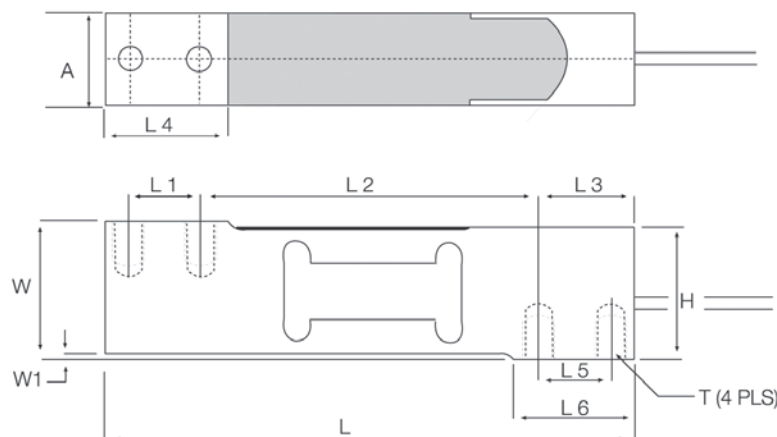
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Order Information

Load Rating	Part #	Est. Weight	Price
1 kg	40680	2 lb	\$198.00
3 kg	40681	2 lb	\$198.00
5 kg	40682	2 lb	\$198.00
10 kg	40683	2 lb	\$198.00
15 kg	40684	2 lb	\$198.00
20 kg	40685	2 lb	\$198.00
30 kg	40686	2 lb	\$198.00
50 kg	40687	2 lb	\$198.00
75 kg	40688	2 lb	\$198.00
100 kg	40689	2 lb	\$198.00

Dimensions

Rated Capacity	A	H	L	L1	L2	L3	L4	L5	L6	W	W1	T
kg/mm												
1 to 30	20.0	39.0	150.0	19.0	100.0	25.0	34.0	19.0	34.0	40.0	1.0	1/4-20 UNC
50 to 100	25.2	39.0	150.0	19.0	100.0	25.0	34.0	19.0	34.0	40.0	1.0	1/4-20 UNC



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL1042.....page 161

RICE LAKE WEIGHING SYSTEMS

RL42018A.....page 169

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

350 (± 3) ohm

Input Resistance:

415 (± 15) ohm

Material/Finish:

Aluminum

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP66

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.02% full scale

Insulation Resistance:

2,000 megohm

Deflection at Capacity:

0.015 in

Cable Length:

10 ft

Cable Diameter:

0.200 in PVC jacket

Cable Color Code:

Green +Excitation

Black -Excitation

Red +Signal

White -Signal

Blue +Sense

Brown -Sense

Max Platform Size:

16 × 16 in

Warranty:

One-year limited

Approvals:

NTEP

OIML (available upon request)

cFMus



Picture is a representation of actual product

Approvals



Available
upon
request

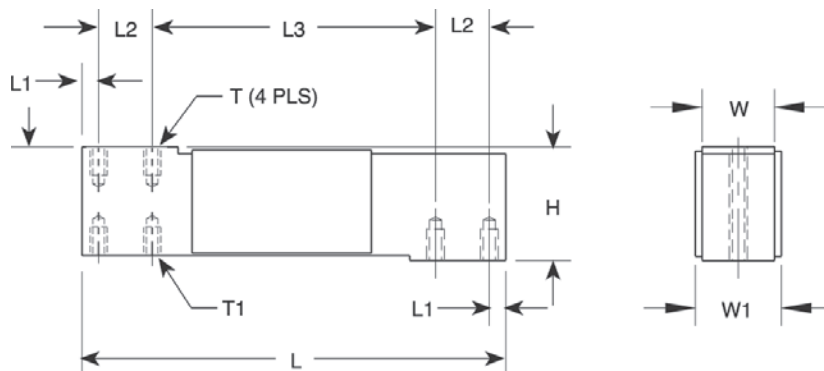
Available
upon
request

Order Information

Load Rating	Part #	Est. Weight	Price
NTEP Certified, Potted			
10 kg	33719	2 lb	\$210.00
15 kg	33720	2 lb	\$210.00
20 kg	33721	2 lb	\$210.00
30 kg	33722	2 lb	\$210.00
50 kg	33723	2 lb	\$210.00
100 kg	33724	2 lb	\$210.00
Non-NTEP Certified, Potted			
5 kg	17449	2 lb	\$200.00
7 kg	17483	2 lb	\$200.00
NTEP Certified, Unpotted			
7 kg	33726	2 lb	\$200.00

Dimensions

Rated Capacity	H	L	L1	L2	L3	T	T1	W	W1
kg/mm									
5 to 100	40.0	150.0	6.0	19.1	100.0	1/4-20 UNC × 10 DP	1/4-28 UNF × 10 DP	25.4	29.4



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL1040 page 162

METTLER TOLEDO®

0785

CARDINAL®

TSP

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

350 (± 3) ohm

Input Resistance:

415 (± 15) ohm

Material/Finish:

Anodized aluminum

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP65

Safe Overload:

200% at center loading point, full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.02% full scale

Insulation Resistance:

2,000 megohm

Deflection at Capacity:

0.015 in

Cable Length:

10 ft

Cable Diameter:

0.200 in

PVC jacket

Cable Color Code:

Green +Excitation

Black -Excitation

Red +Signal

White -Signal

Blue +Sense

Brown -Sense

Max Platform Size:

15.75 × 15.75 in

Warranty:

One-year limited

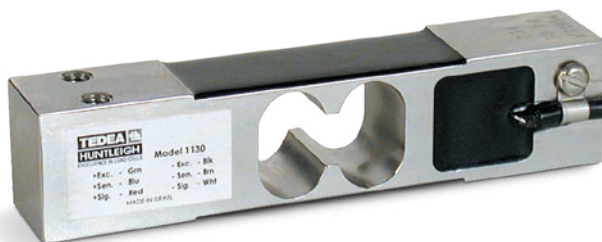
Approvals:

NTEP

OIML (Available upon request)

cFMus

Ex (Available upon request)



Picture is a representation of actual product

Approvals



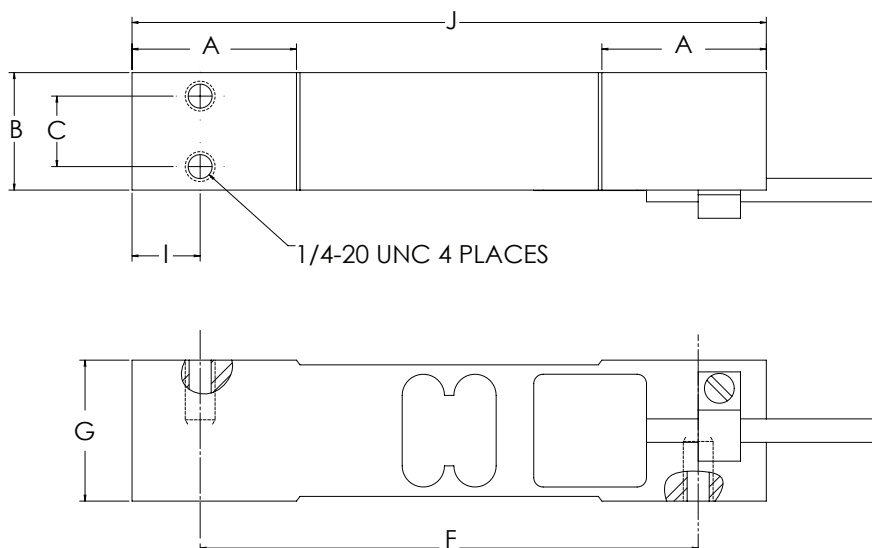
Order Information

Load Rating	Part #	Est. Weight	Price
1.5 m Cable			
7.5 kg	53485	2 lb	\$280.00
10 kg	112374	2 lb	\$280.00
15 kg	53486	2 lb	\$280.00
30 kg	53487	2 lb	\$280.00
50 kg	53488	2 lb	\$280.00
100 kg*	53490	2 lb	\$280.00
3 m Cable			
7.5 kg	111381	2 lb	\$290.00
10 kg	112365	2 lb	\$290.00
15 kg	114132	2 lb	\$290.00
30 kg	114133	2 lb	\$290.00
25 ft Cable Trimmed Outputs			
15 kg	124512	2 lb	\$325.00
30 kg	124513	2 lb	\$325.00

*Non-NTEP Certified

Dimensions

Rated Capacity	A	B	C	F	G	I	J
kg/mm							
7.5 to 100	35.0	25.0	15.0	106.0	30.0	14.5	135.0



Interchangeable Products

AVERY WEIGH-TRONIX®
MK29

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

350 (± 3) ohm

Input Resistance:

385 (± 15) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP66

Safe Overload:

200% full scale, at center loading point

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.02% full scale

Insulation Resistance:

2,000 megohm

Deflection at Capacity:

0.015 in

Cable Length:

1.5 m

3 m

25 ft

Cable Diameter:

0.200 in

PVC jacket

Cable Color Code:

Green +Excitation

Black -Excitation

Red +Signal

White -Signal

Blue +Sense

Brown -Sense

Max Platform Size:

15.75 × 15.75 in

Warranty:

One-year limited

Approvals:

NTEP (100 kg is non-NTEP)

cFMus



Picture is a representation of actual product

Approvals

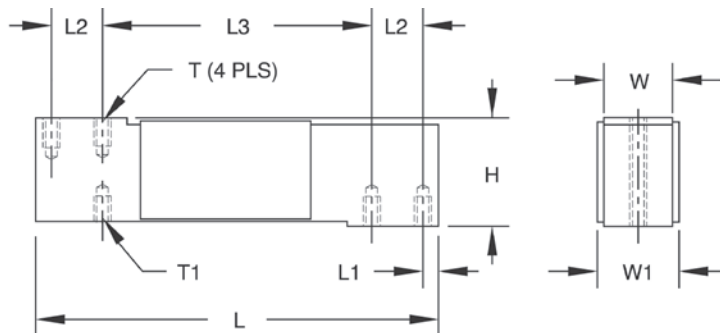


Order Information

Load Rating	Part #	Est. Weight	Price
15 kg	17451	3 lb	\$600.00
30 kg	17452	3 lb	\$600.00
75 kg	17485	3 lb	\$339.00
100 kg	17453	3 lb	\$600.00
150 kg	36466	3 lb	\$600.00

Dimensions

Rated Capacity	H	L	L1	L2	L3	T	T1	W	W1
kg/mm									
15 to 150	40.0	150.0	5.95	19.1	100.0	1/4-20 UNC × 10 DP	1/4-28 UNF × 10 DP	25.4	29.4



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL1140 page 163

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

350 (± 5) ohm

Input Resistance:

383 (± 15) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP65

Safe Overload:

150% at center loading point, full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.02% full scale

Insulation Resistance:

2,000 megohm

Deflection at Capacity:

0.015 in

Cable Length:

10 ft

Cable Color Code:

Green +Excitation

Black -Excitation

Red +Signal

White -Signal

Blue +Sense

Brown -Sense

Max Platform Size:

15.75 × 15.75 in

Warranty:

One-year limited

Approvals:

cFMus



Picture is a representation of actual product

Approvals

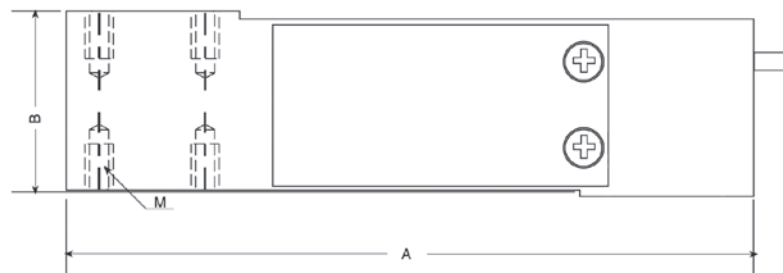
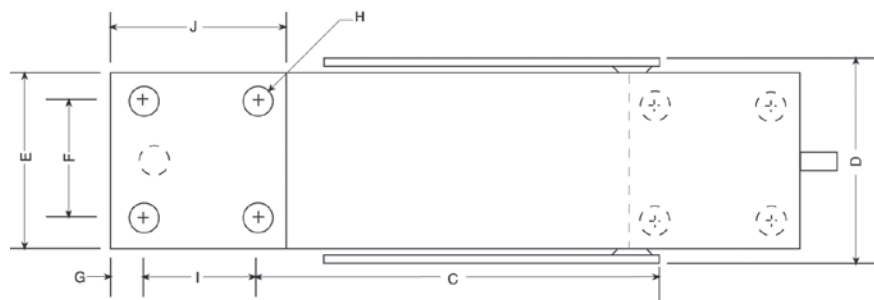


Order Information

Load Rating	Part #	Est. Weight	Price
200 kg	47880	3 lb	\$575.00
250 kg	47881	3 lb	\$575.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	I	J	H	M
kg/mm											
200 to 250	150.1	39.9	86.6	43.4	38.1	25.4	6.35	25.4	38.1	1/4-20 UNC x 13 DP	1/4-28 UNF x 10 DP



Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

351 (± 5) ohm

Input Resistance:

380 (± 15) ohm

Material/Finish:

Stainless steel

Temperature:

Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP64

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.02% full scale

Insulation Resistance:

2,000 megohm

Deflection at Capacity:

0.015 in

Cable Length:

10 ft

Cable Diameter:

0.200 in

PVC jacket

Cable Color Code:

Green +Excitation
Black -Excitation
Red +Signal
White -Signal
Blue +Sense
Brown -Sense

Max Platform Size:

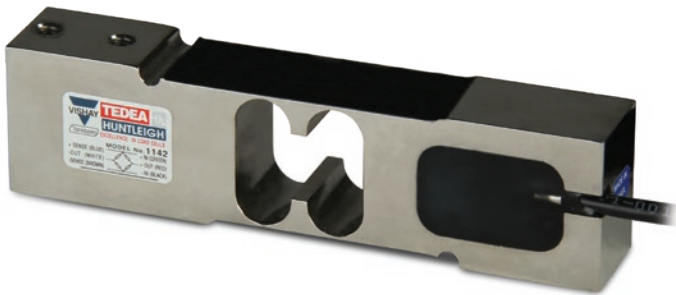
15.5 x 15.5 in

Warranty:

One-year limited

Approvals:

cFMus



Picture is a representation of actual product

Approvals



Available upon request

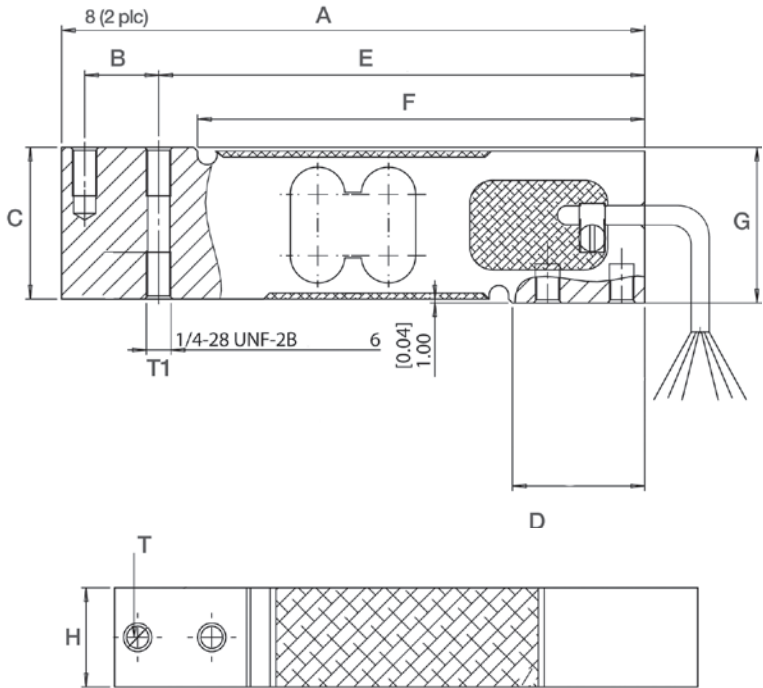
Order Information

Load Rating	Part #	Est. Weight	Price
10 kg	156361	3 lb	\$485.00
15 kg	156362	3 lb	\$485.00
20 kg	156363	3 lb	\$485.00
30 kg	156364	3 lb	\$485.00
50 kg	156365	3 lb	\$485.00
100 kg	156367	3 lb	\$485.00
150 kg	157809	3 lb	\$485.00

Metric threads available as an option

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	T	T1
kg/mm										
10 to 150	150.0	19.1	39.0	34.0	125.0	115.0	40.0	25.4	1/4-20 UNC	1/4-28 UNF



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RLPWM15.....page 155

HBK®*

PW15.....page 229

*Color code is different

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

351 (± 5.0) ohm

Input Resistance:

385 (± 10) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP66

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC nominal (15 V maximum)

Combined Error:

0.02% full scale

Insulation Resistance:

2,000 megohm

Deflection at Capacity:

0.015 in

Cable Length:

10 ft

Cable Diameter:

0.200 in

PVC Jacket

Cable Color Code:

Green +Excitation

Black -Excitation

Red +Signal

White -Signal

Blue +Sense

Brown -Sense

Max Platform Size:

16 × 16 in

Warranty:

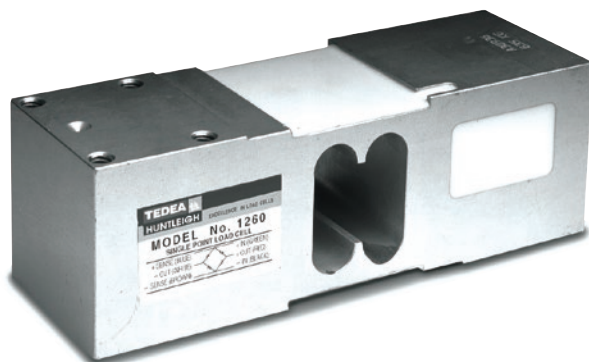
One-year limited

Approvals:

NTEP

OIML (Available upon request)

cFMus



Picture is a representation of actual product

Approvals



Available
upon
request

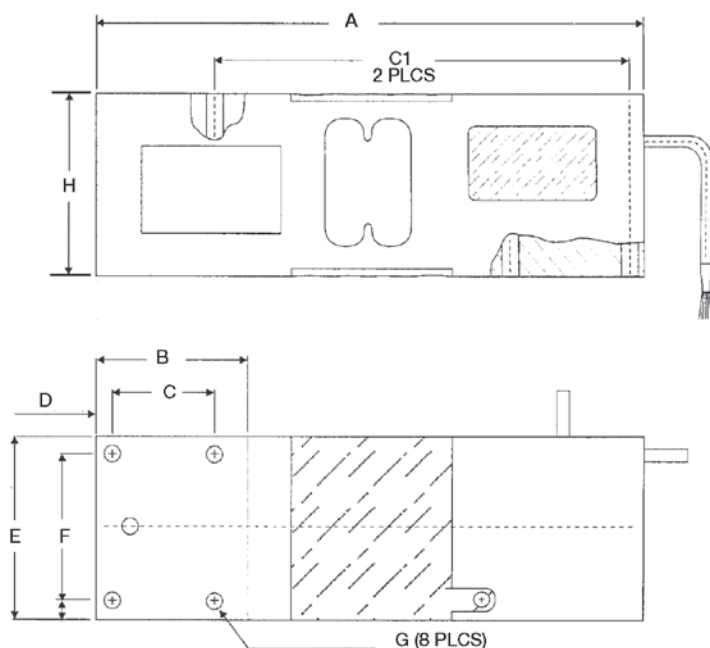
Available
upon
request

Order Information

Load Rating	Part #	Est. Weight	Price
50 kg	40769	5 lb	\$340.00
75 kg	40770	5 lb	\$340.00
100 kg	40771	5 lb	\$340.00
150 kg	159005	5 lb	\$340.00
200 kg	40772	5 lb	\$340.00
250 kg	40773	5 lb	\$340.00
300 kg	40774	5 lb	\$340.00
500 kg	40775	5 lb	\$340.00
635 kg	40776	5 lb	\$340.00

Dimensions

Rated Capacity	A	B	C	C1	D	E	F	G	H
kg/mm									
50 to 635	188.0	52.0	35.0	142.0	5.5	62.3	50.0	5/16-18 UNC	62.3



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL1260

RICE LAKE WEIGHING SYSTEMS

RLPWM16.....page 160

VPG® TEDEA-HUNTLEIGH®

1260S.....page 320

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

350 (± 3) ohm

Input Resistance:

415 (± 15) ohm

Material/Finish:

Anodized aluminum

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% of full scale at center loading point

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.02% full scale

Insulation Resistance:

2,000 megohm

Cable Length:

10 ft

Cable Diameter:

0.220 in

Polyurethane jacket

Cable Color Code:

Green +Excitation

Black -Excitation

Red +Signal

White -Signal

Blue +Sense

Brown -Sense

Max Platform Size:

24 × 24 in

Warranty:

One-year limited

Approvals:

NTEP

OIML (Available upon request)

cFMus

Ex (Available upon request)



Picture is a representation of actual product

Approvals

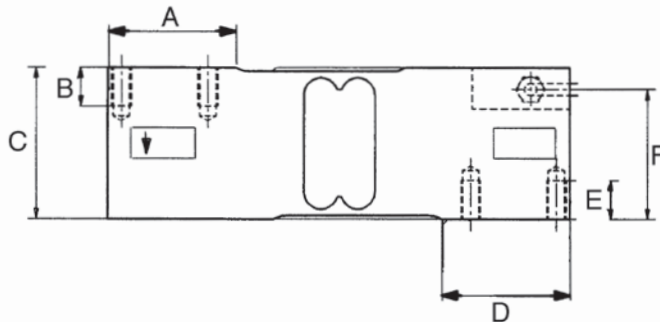


Order Information

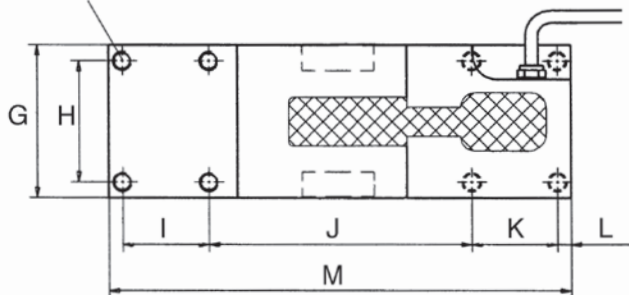
Load Rating	Part #	Est. Weight	Price
100 kg	76396	5 lb	\$350.00
150 kg	76397	5 lb	\$350.00
200 kg	76398	5 lb	\$350.00
250 kg	76399	5 lb	\$350.00
500 kg	76401	5 lb	\$350.00
635 kg	76402	5 lb	\$350.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	I	J	K	L	M
kg/mm													
100 to 635	52.0	16.0	62.3	52.0	16.0	52.3	63.0	50.0	35.0	107.0	35.0	5.5	188.0



5/16-18 UNC-2b (8pls)



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL1260

RICE LAKE WEIGHING SYSTEMS

RL26018A..... page 167

VPG® TEDEA-HUNTLEIGH®

1260 page 319

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

350 (± 3) ohm

Input Resistance:

415 (± 15) ohm

Material/Finish:

Anodized aluminum

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP66

Safe Overload:

150% of full scale at center loading point

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.02% full scale

Insulation Resistance:

2,000 megohm

Cable Length:

10 ft

Cable Diameter:

0.220 in

Polyurethane jacket

Cable Color Code:

Green +Excitation

Black -Excitation

Red +Signal

White -Signal

Blue +Sense

Brown -Sense

Max Platform Size:

24 × 24 in

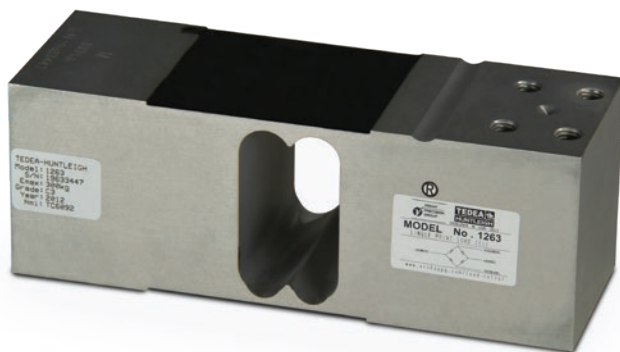
Warranty:

One-year limited

Approvals:

NTEP

cFMus



Picture is a representation of actual product

Approvals



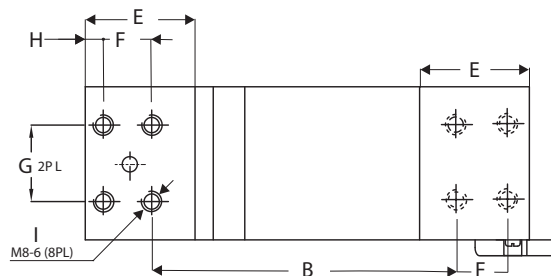
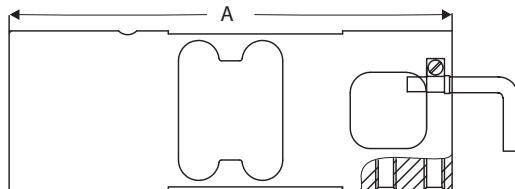
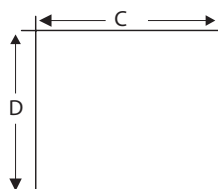
Available
upon
request

Order Information

Load Rating	Part #	Est. Weight	Price
50 kg	157478	5 lb	\$325.00
100 kg	157479	5 lb	\$325.00
150 kg	157480	5 lb	\$325.00
200 kg	157481	5 lb	\$325.00
250 kg	157482	5 lb	\$325.00
300 kg	157483	5 lb	\$325.00
500 kg	157484	5 lb	\$325.00
635 kg	157485	5 lb	\$325.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	I
kg/mm									
50 to 635 kg	174.0	122.0	60.0	62.5	43.0	19.0	30.0	7.0	M8-6



Interchangeable Products

TRANSCELL®
FAV

Specifications

Full Scale Output:

2 mV/V

Output Resistance:

350 (± 3) ohm

Input Resistance:

415 (± 15) ohm

Material/Finish:

Anodized aluminum

Temperature:

Operating:
0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP66

Safe Overload:

150% of rated output

Rated Excitation:

10 VAC (15 V maximum)

Insulation Resistance:

2,000 megohm

Cable Length:

1.5 m

Cable Diameter:

5 mm
PVC jacket

Cable Color Code:

Green +Excitation
Black -Excitation
Red +Signal
White -Signal

Max Platform Size:

610 × 610 mm

Warranty:

One-year limited

Approvals:

OIML
Ex (Available upon request)



Picture is a representation of actual product

Approvals



Available
upon
request

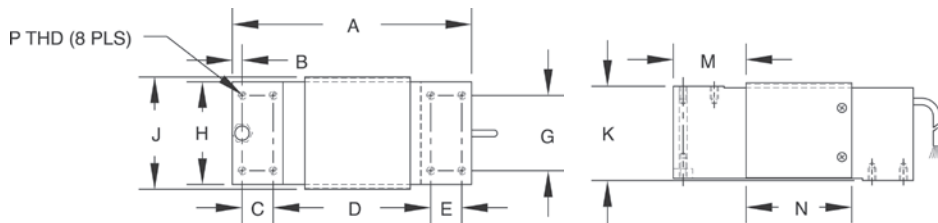
Available
upon
request

Order Information

Load Rating	Part #	Est. Weight	Price
NTEP Certified, 10 ft Cable			
50 kg	17478	6 lb	\$375.00
75 kg	17469	6 lb	\$375.00
100 kg	33711	6 lb	\$375.00
150 kg	33712	6 lb	\$375.00
200 kg	33713	6 lb	\$375.00
250 kg	33714	6 lb	\$375.00
300 kg	33715	6 lb	\$375.00
500 kg	33716	6 lb	\$375.00
635 kg	33717	6 lb	\$375.00
1,000 kg	17480	6 lb	\$375.00
Non-NTEP Certified, 25 ft Cable			
50 kg	40944	6 lb	\$375.00
75 kg	40945	6 lb	\$375.00
100 kg	40946	6 lb	\$375.00
150 kg	32342	6 lb	\$375.00
200 kg	32341	6 lb	\$375.00
250 kg	40947	6 lb	\$375.00
300 kg	32340	6 lb	\$375.00

Dimensions

Rated Capacity	A	B	C	D	E	G	H	J	K	M	N	P
kg/mm												
50 to 1,000	191.0	11.0	25.0	125.0	25.0	60.0	75.0	82.0	75.0	57.5	85.0	5/16-18 UNC × 15 DP



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS

RL1218A.....page 168

RICE LAKE WEIGHING SYSTEMS

RL1250

FLINTEC®

PCB*page 214

TRANSCELL®

FAY

*Stainless steel, hermetically sealed

Specifications

Full Scale Output:

2.0 mV/V

Bridge Resistance:

350 ohm, nominal

Material/Finish:

Anodized aluminum

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP67

Safe Overload:

150% of full scale at center loading point

Safe Overload:

150% of full scale at center loading point

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.02% full scale

Insulation Resistance:

2,000 megohm

Deflection at Capacity:

0.015 in

Cable Length:

10 ft

25 ft

Cable Diameter:

0.200 in

PVC jacket

Cable Color Code:

Green +Excitation

Black -Excitation

Red +Signal

White -Signal

Blue +Sense

Brown -Sense

Max Platform Size:

50 to 500 kg: 800 × 800 mm

635 to 1,000 kg: 600 × 600 mm

Warranty:

One-year limited

Approvals:

NTEP

OIML (Available upon request)

cFMus

Ex (Available upon request)



Picture is a representation of actual product

Approvals



Available
upon
request

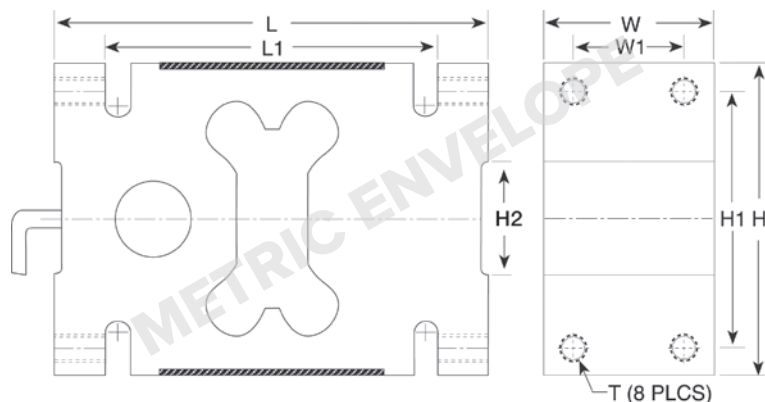
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upon
request

Order Information

Load Rating	Part #	Est. Weight	Price
1,000 kg	29908	9 lb	\$795.00
1,500 kg	29909	9 lb	\$795.00
2,000 kg	29910	9 lb	\$795.00

Dimensions

Rated Capacity	H	H1	H2	L	L1	T	W	W1
kg/mm								
1,000 to 2,000	126.0	95.0	45.0	176.0	135.0	M16 × 2-6H	76.0	46.0



Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

350 (± 3) ohm

Input Resistance:

415 (± 15) ohm

Material/Finish:

Aluminum alloy

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP66

Safe Overload:

150% full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.02% full scale

Insulation Resistance:

2,000 megohm

Deflection at Capacity:

0.38 mm

Cable Length:

5 m

Cable Diameter:

5.9 mm

Polyurethane jacket

Cable Color Code:

Green +Excitation

Black -Excitation

Red +Signal

White -Signal

Blue +Sense

Brown -Sense

Max Platform Size:

102 × 102 mm

Warranty:

One-year limited

Approvals:

NTEP

OIML (Available upon request)

cFMus

Ex (Available upon request)



Picture is a representation of actual product

Approvals

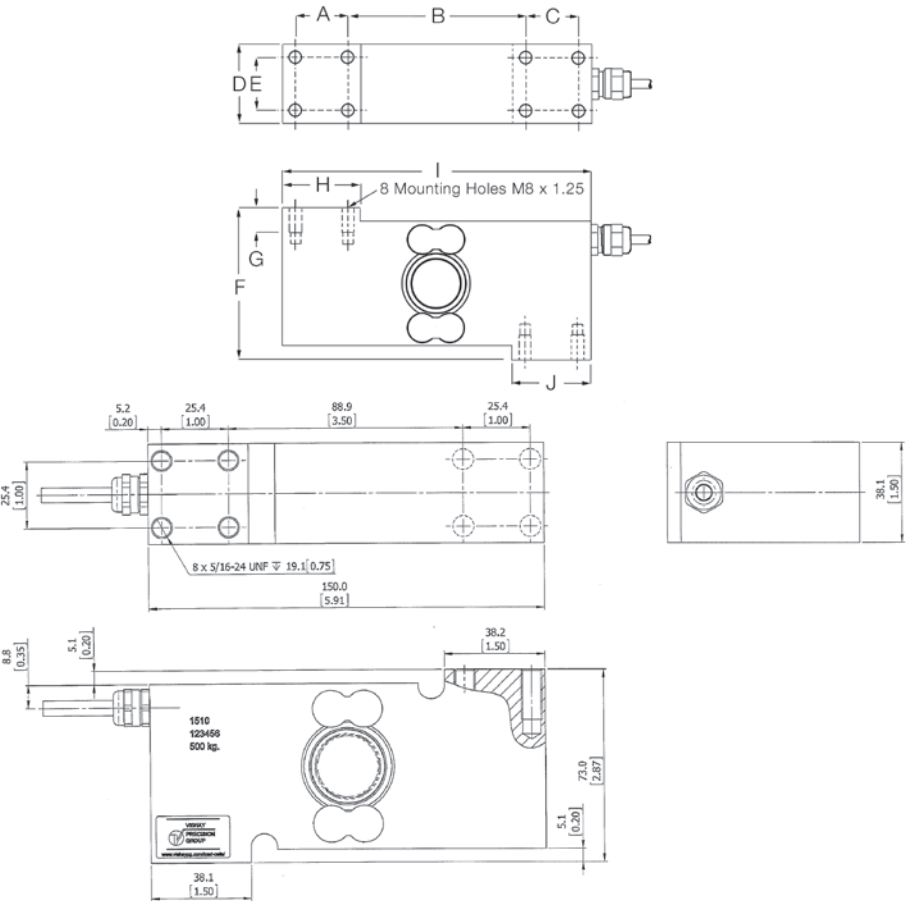


Order Information

Load Rating	Part #	Est. Weight	Price
OIML			
100 kg	65851	6 lb	\$850.00
250 kg	65852	6 lb	\$850.00
500 kg	65853	6 lb	\$850.00
NTEP Certified			
500 kg	167585	6 lb	\$850.00

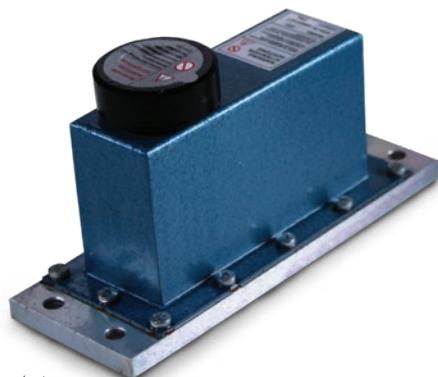
Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	I	J
kg/mm										
100 to 500	25.4	86.3	25.4	38.1	25.4	72.8	11.9	38.1	149.9	38.1



Specifications

- Full Scale Output:**
2.0 mV/V
- Output Resistance:**
350 (± 3) ohm
- Input Resistance:**
380 (± 10) ohm
- Material/Finish:**
Stainless steel
- Temperature:**
Compensated:
14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**
Welded-seal, IP68
- Safe Overload:**
150% at center loading point, full scale
- Rated Excitation:**
5 to 10 VDC (15 V maximum)
- Combined Error:**
0.020% full scale
- Insulation Resistance:**
2,000 megohm
- Cable Length:**
3 m
6 m: pn 167585
- Cable Diameter:**
5.6 mm
Polyurethane jacket
- Cable Color Code:**
Green +Excitation
Black -Excitation
Red +Signal
White -Signal
Blue +Sense
Brown -Sense
- Max Platform Size:**
600 × 600 mm
- Warranty:**
One-year limited
- Approvals:**
NTEP
OIML
cFMus



Picture is a representation of actual product

Approvals



Available
upon
request

Order Information

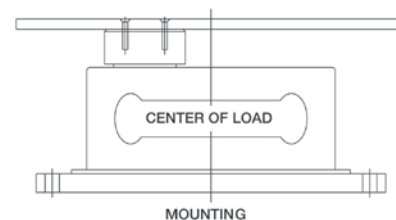
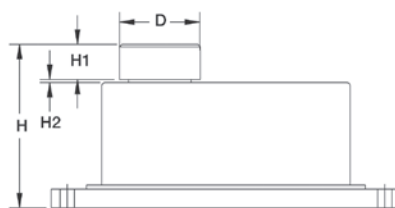
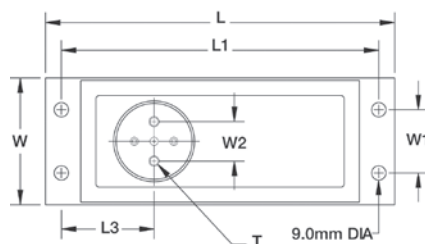
Load Rating	Part #	Est. Weight	Price
Stainless Steel			
2 kg*	17567	8 lb	\$885.00
5 kg	17568	8 lb	\$885.00
7 kg	17569	8 lb	\$885.00
10 kg	17570	8 lb	\$885.00
15 kg	17571	8 lb	\$885.00
20 kg	17572	8 lb	\$885.00
30 kg	17573	8 lb	\$885.00
50 kg	17574	8 lb	\$885.00
Alloy Steel			
2 kg*	17559	8 lb	\$775.00
5 kg	17560	8 lb	\$775.00
7 kg	17561	8 lb	\$775.00
10 kg	17562	8 lb	\$775.00
15 kg	17563	8 lb	\$775.00
20 kg	17564	8 lb	\$775.00
30 kg	17565	8 lb	\$775.00
50 kg	17566	8 lb	\$775.00

*Non-NTEP Certified

Note: The special fluid damped operation is particularly well-suited for applications where quick weighing is required, e.g., checkweighers

Dimensions

Rated Capacity	D	H	H1	H2	L	L1	L3	T	W	W1	W2
kg/mm											
2 to 50	50 dia	115.0	21.0	2.0	220.0	200.0	58.5	1/4-20 UNC x 10 DP	80.0	40.0	25.0



Interchangeable Products

RICE LAKE WEIGHING SYSTEMS®

RL260FD*page 166

*3000d NTEP, 16.4 ft cable

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

350 (± 3) ohm

Input Resistance:

415 (± 15) ohm

Material/Finish:

Anodized aluminum in alloy steel or stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Environmentally sealed, IP66

Safe Overload:

150% at center loading point, full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.025% full scale

Insulation Resistance:

2,000 megohm

Cable Length:

10 ft

Cable Diameter:

0.370 in

PVC jacket

Cable Color Code:

Green +Excitation

Black -Excitation

Red +Signal

White -Signal

Blue +Sense

Brown -Sense

Warranty:

One-year limited

Approvals:

NTEP

OIML (Available upon request)



Picture is a representation of actual product

Approvals



Order Information

Load Rating	Part #	Est. Weight	Price
3 kg	Consult	7 lb	\$1,150.00
5 kg	Consult	7 lb	\$1,150.00
7 kg	Consult	7 lb	\$1,150.00
10 kg	Consult	7 lb	\$1,150.00
15 kg	Consult	7 lb	\$1,150.00
20 kg	Consult	7 lb	\$1,150.00
30 kg	Consult	7 lb	\$1,150.00
50 kg	Consult	7 lb	\$1,150.00

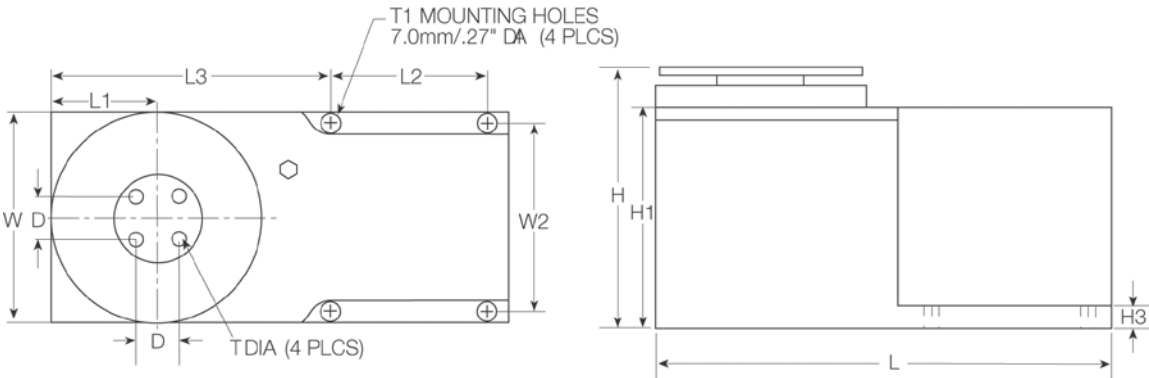
Note: The special fluid damped operation is particularly well-suited for applications where quick weighment is required, e.g., checkweighers

9010 load cells are custom-manufactured per specific application requirements; use the Application Definition Form on page 327 of this section as well as online at www.ricelake.com/questionnaires to define your applications

Available in stainless steel with breather vent option for washdown applications

Dimensions

Rated Capacity	D	H	H1	H3	L	L1	L2	L3	T	W	W2
kg/mm											
3 to 50	19.1	115.2	97.3	10.0	199.5	46.0	71.5	119.8	1/4-20 UNC x 20 DP	92.0	82.0



Specifications

- Full Scale Output:**
2.0 mV/V
- Output Resistance:**
350 (± 5) ohm
- Input Resistance:**
415 (± 15) ohm
- Material/Finish:**
Aluminum
- Temperature:**
Operating:
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**
Environmentally sealed, IP65
- Safe Overload:**
800% full scale downward,
400% full scale upward
- Rated Excitation:**
15 VDC (15 V maximum)
- Combined Error:**
0.03% full scale
- Insulation Resistance:**
5,000 megohm
- Cable Length:**
3 ft
- Cable Diameter:**
0.370 in
PVC jacket
- Cable Color Code:**
Green +Excitation
Black -Excitation
Red +Signal
White -Signal
Blue +Sense
Brown -Sense
- Warranty:**
One-year limited
- Approvals:**
cFMus

VPG Tedea-Huntleigh Model 9010 Application

RICE LAKE
WEIGHING SYSTEMS

Customer Number:

Company:

Order Number:

Name:

Date (DD/MM/YYYY):

Phone:

Fax:

Email:

Self-Contained Weighing Module

Application: Number of Units:

Total Tare Weight (dead load): kg For Each Unit: kg

Total Useful Weight (live load): kg For Each Unit: kg

Describe Live Load (powder, fruit, screws, etc.):

Required Settling Time: m/sec Accuracy: m/sec

Operating Temperature Range: °C

Mounting Threads: mm (6 × 1) inch (1/4 UNC)

Preferred Load Cell, if any:

Checkweigher (Reference sketch below)

Size of Conveyor Platform

Width: cm B: cm

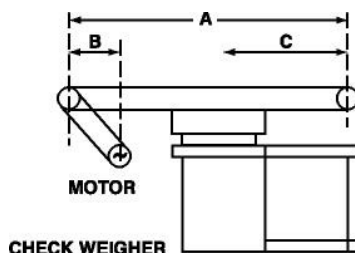
A: cm C: cm

Belt Speed: cm/sec

Size of Weighed Product in Movement Direction: cm

Tare Weight Distribution

Conveyor: kg Motor: kg



Hopper or Other Application (Reference sketch below)

Center of Gravity (CG) of Dead Load (Estimate if necessary)

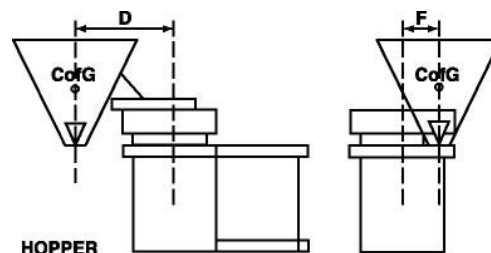
D: cm F: cm

Loading Position

D: cm F: cm

Drop Height: cm

If load CG varies, maximum distance between extremes: cm

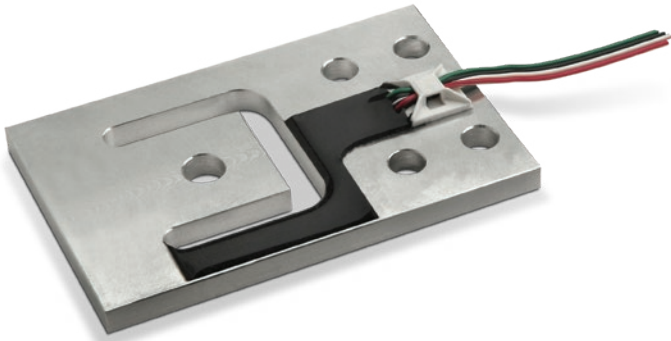


Special Requirements

Cable Length if not Standard (1 m): Delivery Requested:

Corners Accuracy: Test Weight (max. allowed 1/3 of load cell capacity): kg

Distance from Center (variation allowed): cm



Picture is a representation of actual product

Approvals



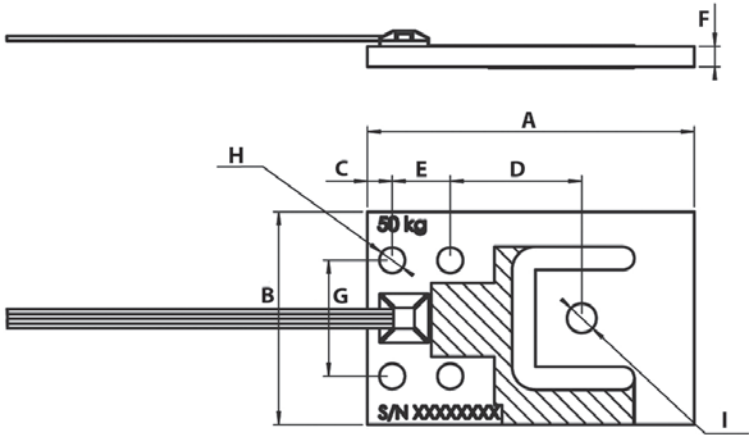
Available upon request

Order Information

Load Rating	Part #	Est. Weight	Price
7.5 kg	112921	1 lb	\$140.00
15 kg	186687	1 lb	\$142.00
37.5 kg	112922	1 lb	\$142.00
50 kg	112923	1 lb	\$145.00
75 kg	112924	1 lb	\$145.00
150 kg	112925	1 lb	\$150.00

Dimensions

Rated Capacity	A	B	C	D	E	F	G	H	I
kg/mm									
7.5	70.0	39.0	4.9	28.0	14.0	2.5	27.8	5.1	5.1
15.0	70.0	39.0	4.9	28.0	14.0	4.1	27.8	5.1	5.1
37.5	76.2	44.5	6.0	29.3	15.0	4.8	30.0	6.6	6.2
50.0	84.5	55.0	6.4	34.0	15.0	5.3	30.0	6.6	7.6
75.0	84.5	55.0	6.4	34.0	15.0	6.4	30.0	6.6	7.6
150.0	107.5	70.0	7.8	45.9	22.8	8.0	44.5	8.1	8.2



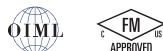
Specifications

- Full Scale Output:**
1.0 mV/V
- Output Resistance:**
1,000 (± 10) ohm
- Input Resistance:**
1,160 (± 15) ohm
- Material/Finish:**
Aluminum
- Temperature:**
Compensated:
14 °F to 104 °F (-10 °C to 40 °C)
Operating:
0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**
Environmentally sealed, IP65
- Safe Overload:**
150% full scale
- Rated Excitation:**
5 to 10 VDC
- Insulation Resistance:**
5,000 megohm
- Cable Length:**
1.5 m flat ribbon type, PVC
- Cable Color Code:**
Green +Excitation
Black -Excitation
Red +Signal
White -Signal
- Warranty:**
One-year limited
- Approvals:**
NTEP
OIML (available upon request)



Picture is a representation of actual product

Approvals

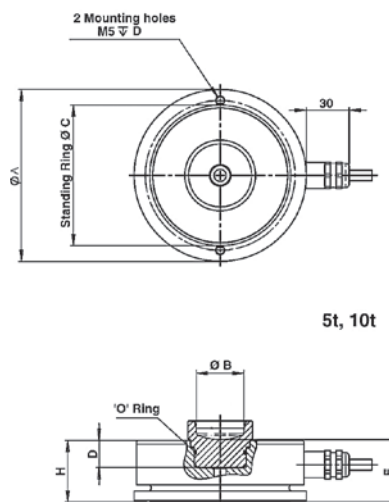
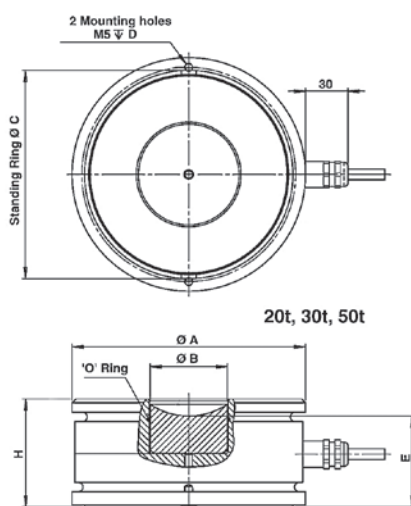


Order Information

Load Rating	Part #	Est. Weight	Price
5,000 kg	65854	3 lb	\$1,625.00
10,000 kg	65855	5 lb	\$1,925.00
20,000 kg	65856	8 lb	\$1,925.00
30,000 kg	65857	8 lb	\$1,925.00

Dimensions

Rated Capacity	A	B	C	D	E	H
kg/mm						
5,000	80.0	19.0	70.0	20.0	33.4	30.0
10,000	92.0	28.0	80.0	14.6	33.4	33.0
20,000 to 30,000	110.0	29.0	101.5	26.3	39.0	50.0



Interchangeable Products

AVERY WEIGH-TRONIX®

220

Weigh Module Available

RICE LAKE WEIGHING SYSTEMS

220page 43

Specifications

Full Scale Output:

2.0 mV/V

Output Resistance:

1,025 (± 20) ohm

Input Resistance:

1,065 (± 60) ohm

Material/Finish:

Stainless steel

Temperature:

Compensated:

14 °F to 104 °F (-10 °C to 40 °C)

Operating:

0 °F to 150 °F (-18 °C to 65 °C)

Seal Type:

Hermetically sealed, IP68

Safe Overload:

150% at center loading point, full scale

Rated Excitation:

5 to 10 VDC (15 V maximum)

Combined Error:

0.020% full scale

Insulation Resistance:

2,000 megohm

Deflection at Capacity:

< 0.5 mm at full scale

Cable Length:

5,000 kg: 5 m

10,000 to 20,000 kg: 10 m

30,000 kg: 20 m

Cable Diameter:

5.6 mm

Polyurethane jacket

Cable Color Code:

Blue +Excitation

Black -Excitation

White +Signal

Red -Signal

Green +Sense

Gray -Sense

Warranty:

One-year limited

Approvals:

OIML

cFMus



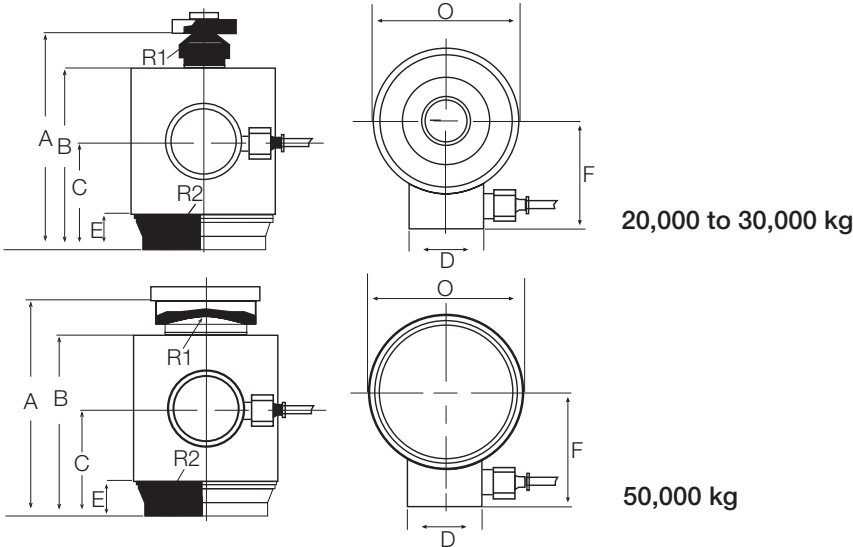
Picture is a representation of actual product

Order Information

Load Rating	Part #	Est. Weight	Price
20,000 kg	169233	10 lb	\$995.00
30,000 kg	169234	10 lb	\$995.00
50,000 kg	169235	13 lb	\$995.00

Dimensions

Rated Capacity	A	B	C	D	E	F	O	R1	R2
kg/mm									
20,000	138.3	112.3	72.3	50.0	32.3	69.0	88.0	15.0	150.0
30,000	138.3	112.3	72.3	50.0	32.3	69.0	88.0	15.0	150.0
50,000	155.5	115.8	74.0	50.0	32.3	69.0	88.0	35.0	300.0



Specifications

- Full Scale Output:**
1.5 mV/V
- Output Resistance:**
605 (± 5) ohm
- Input Resistance:**
670 (± 15) ohm
- Material/Finish:**
Stainless steel
- Temperature:**
Operating:
-0 °F to 150 °F (-18 °C to 65 °C)
- Seal Type:**
Environmentally sealed, IP68
- Safe Overload:**
150% full scale
- Rated Excitation:**
5 to 10 VDC
- Combined Error:**
0.02% of applied load
- Insulation Resistance:**
2,000 megohm
- Cable Length:**
15 m
- Cable Color Code:**
Green +Excitation
Black -Excitation
Red +Signal
White -Signal
Blue +Sense
Brown -Sense
- Warranty:**
One-year limited

Hardware and Accessories

TABLE OF CONTENTS

Hardware and Accessories.....	331
Load Cell Mounting Hardware	
Safety Guidelines.....	332
Mounting Assembly	
Component Identification.....	333
Jam Nuts.....	333
Eye Nuts.....	334
Clevis Mount Assemblies.....	334
Coupling Nuts.....	334
Load Cell Eye Bolts.....	335
Rod End Ball Joints.....	336
Connecting Links.....	336
Load Cell Isolators.....	337
Threaded Adapters.....	337
ITCM Hardware Kits.....	338
Grounding Straps.....	339
Ball Bearings.....	339
Load Receiver Plate.....	339
Load Cups.....	339
Wire Rope Assemblies.....	340
Cardinal® Wire Rope Assemblies.....	340
Custom Wire Ropes.....	340
Custom Wire Rope Definition Form.....	341
Spherical Washer Sets.....	342
Load Cell Spacers.....	342
Load Button.....	342
Weldless End Links.....	342
Load Button Insert Kit.....	343
Flintec® Adjustable Rubber Foot.....	343
Bench Scale Feet.....	343
Surefoot™.....	343
Polyurethane Rubber Leveling Feet.....	344
Captured Ball Floor Scale	
Leveling Feet.....	344
Leveling Mount.....	345
Leveling Pads.....	345

Leveling Pad Stems.....	345
RoughDeck® Scale Base.....	346
Summit® 3000 Scale Base.....	346
Floor Scale Base.....	346
Complete Custom Cable Services.....	347
EL147, 6 Wire.....	348
<i>Standard Load Cell Cable</i>	
EL147RP Plus, 6 Wire.....	348
<i>Rodent Protection Load Cell Cable</i>	
EL147HE, 6 Wire.....	349
<i>Hostile Environment Load Cell Cable</i>	
EL147IS, 6 Wire.....	349
<i>Hazardous Environment Blue Jacket Load Cell Cable</i>	
EL146, 4 Wire.....	350
<i>Standard Load Cell Cable</i>	
EL146HE, 4 Wire.....	350
<i>Hostile Environment Load Cell Cable</i>	
Fiber-optic Cable.....	351
EL144 Communications Cable.....	351
BCD Cable.....	351
SURVIVOR® EL620HE.....	352
<i>High Temperature Cable</i>	
EL148HE Mettler Toledo®.....	352
<i>Power Cell Replacement Cable</i>	
SURVIVOR® Cable Armor.....	352
Mettler Toledo® Power Cell®.....	352
<i>Homerun Cable</i>	
Cord Grip Assemblies.....	353
EL214 Cable Splicing Kit.....	353
Load Cell Conduit Adapters.....	353
EL214T Cable Splicing Kit.....	354
EL215 Cable Splicing Kit.....	354
Flintec® Load Cell Cable.....	354
<i>Replacement Kits</i>	
Five-Position Connectors,	
Shell Plugs, Receptacles.....	355
Seven-Position Connectors,	
Shell Plugs, Receptacles.....	355
Six-Position Connectors,	
Shell Plugs, Receptacles.....	355
T-Grip Molding.....	356

T-Strip Molding.....	356
Electronic Scale Tickets.....	357
Mechanical Scale Tickets.....	358
<i>Create Your Own Custom Ticket</i>	
Printer Dust Covers.....	358
Printer Cables.....	359
Static Brushes.....	360
Ionizing Strips.....	360
Desiccants.....	360
Crimper and Lead Seals.....	360
Ionizing Strip Accessories.....	360
Industrial Corrosion Inhibitor.....	360
Static Control Table Mat	
and Floor Mat.....	361
Static Control Wrist Strap.....	361
Static Shielding Bags.....	361
Static-safe Service Kit.....	361
Rice Lake's Scale Technician Kits.....	362

The following product names, logos, brands and other trademarks featured or referred to within this publication are the property of their respective trademark holders.

Load Cell Mounting Hardware Safety Guidelines

Install only load cell mounting hardware and assemblies that have been specifically designed for use in tank, hopper or hanging scale applications. Often, the use of an inferior-grade product results in component failure which risks equipment damage and personal injury. These simple suggestions are provided to help minimize your exposure to vessel scale installation hazards.

1. Estimating Gross Load

To select the correct load cell or load cell hardware for a given application, it is necessary to know the total weight on the scale—including net weight of product, tare weight of the vessel and weight of the platform, tank or hopper, as appropriate.

2. Safe Load

Do not exceed safe load figures listed in Rice Lake Weighing Systems' catalog for any load cell hardware. Where shock loads are present, it may be necessary to derate these safe load figures depending on severity of the shock load.

3. Load Distribution

In multiple-load-cell applications, weight must be evenly distributed between all cells.

4. Threaded Connections

Check that all threaded connections are engaged. For example, an eye bolt screwed into an S-type load cell should protrude slightly on the opposite side.

5. Jam Nuts

All threaded connections must be locked with jam nuts to prevent inadvertent disassembly. If a load is suspended from a single load cell, it is critical that the load cannot rotate as this may loosen the jam nut.

6. Wire Rope Assemblies

With wire rope assemblies, do not twist the rope during assembly or disassembly. For example, do not remove a frozen nut from one end of a rope assembly by holding the opposite end.

7. Attachment Points of a Load Cell

The attachment points of a load cell hardware assembly must be aligned properly and the assembly should be essentially vertical.

8. Swaying in a Suspended Vessel Scale

If there is excessive swaying in a suspended vessel scale, apply horizontal checking to reduce amplitude.

9. Safety Backup

If failure of one or more load cell hardware assemblies could cause injury or damage, a safety backup (safety chains, safety rods, etc.) must be used. The assemblies should be inspected routinely for damage, excessive wear or corrosion and replaced if necessary.

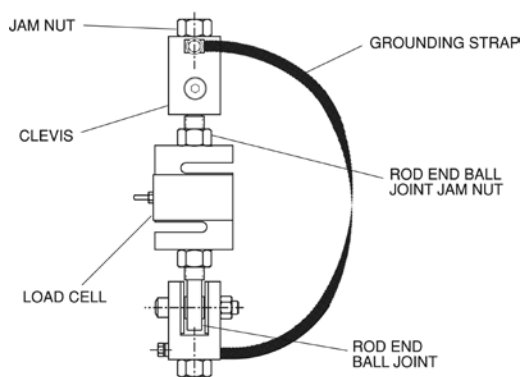
10. Hopper Scales: Guarding Against Contamination

With hopper scales, guard against contamination of the product being weighed in case of failure of the load cell or hardware assembly. For example, do not locate a wire rope assembly over a hopper scale where broken strands of wire could fall into the weighing vessel, contaminating the product being weighed.

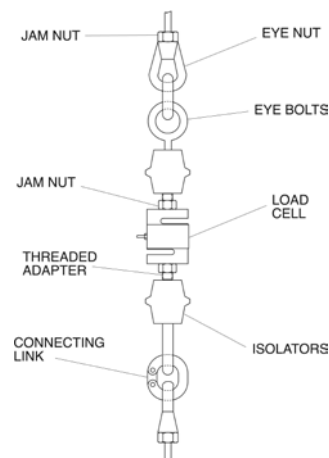
11. Selecting Steel Rod or Any Other Weight-bearing Components

Select steel rod or any other weight-bearing components so the minimum tensile strength is at least four times the total weight carried by that component. Note that threaded rod is generally made from a low tensile-strength mild steel which should be checked for tensile strength before use in any suspended vessel scale.

Mounting Assembly Component Identification



ITCM Isolated Tension Cell Mounting Assembly



Conventional Tension Mounting Assembly

Our popular Isolated Tension Cell Mount (ITCM) assembly and other conventional suspended weighing system assemblies employ a variety of serviceable hardware components. Rice Lake Weighing Systems offers a comprehensive selection of these items for all of your suspended vessel service needs. These drawings are designed to enable you to quickly identify and differentiate components from both of these common designs. All corresponding replacement hardware is located on the following pages.

Jam Nuts



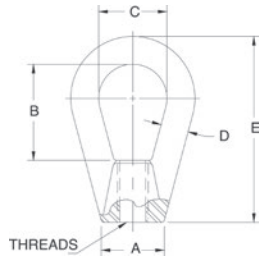
Standard Features

- Coarse or fine thread
- Zinc-plated mild steel or stainless steel

Thread Size	Part #	Price
Mild Steel, Fine Thread		
1/4-28 UNF	14639	\$1.00
3/8-24 UNF	14651	\$1.00
1/2-20 UNF	14664	\$1.60
3/4-16 UNF	14687	\$1.60
1-12 UNF	14702	\$5.99
1-14 UNF	14703	\$4.90
1 1/4-12 UNF	14708	\$3.60
1 1/2-12 UNF	14711	\$4.90
Mild Steel, Coarse Thread		
1/4-20 UNC	14636	\$1.00
3/8-16 UNC	14649	\$2.25
1/2-13 UNC	14661	\$1.00
5/8-11 UNC	14676	\$4.00
3/4-10 UNC	14686	\$1.06
1-8 UNC	14701	\$1.20
1-1/4-7 UNC	14707	\$3.30

Thread Size	Part #	Price
Stainless Steel, Fine Thread		
1/4-28 UNF	14640	\$1.30
1/2-20 UNF	14665	\$1.95
3/4-16 UNF	14688	\$2.30
Stainless Steel, Coarse Thread		
3/8-16 UNC	14653	\$2.10
1/2-13 UNC	14662	\$1.85
5/8-11 UNC	14680	\$2.10
3/4-10 UNC	14690	\$2.25

Eye Nuts



Standard Features

- Drop-forged steel, tapped NC right-hand threads

Part Number/Price

Part #	A	B	C	D	E	Thread Size	Safe Load*	Price
17772	0.50 in	1.06 in	0.75 in	0.25 in	1.68 in	1/4-20 UNC	500 lb	\$50.00
17773	0.75 in	1.18 in	0.87 in	0.31 in	2.25 in	3/8-16 UNC	1,800 lb	\$34.00
17774	1.00 in	1.56 in	1.12 in	0.43 in	3.00 in	1/2-13 UNC	3,600 lb	\$50.00
17775	1.25 in	1.93 in	1.37 in	0.56 in	3.75 in	5/8-11 UNC	5,800 lb	\$55.00

*Do not exceed the safe load

Coupling Nuts



Standard Features

- Heavy hex

Part Number/Price

Part #	Thread Size	Length	Flat	Safe Load*	Price
14638	1/4-20 UNC	1.75 in	0.44 in	500 lb	\$8.50
14650	3/8-16 UNC	1.75 in	0.62 in	1,500 lb	\$8.50
14663	1/2-13 UNC	1.75 in	0.87 in	3,000 lb	\$8.50
14681	5/8-11 UNC	2.12 in	1.06 in	7,500 lb	\$11.50
14691	3/4-10 UNC	2.25 in	1.25 in	10,000 lb	\$12.50

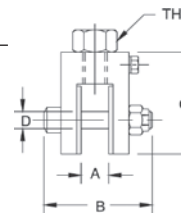
*Do not exceed the safe load

Clevis Mount Assemblies

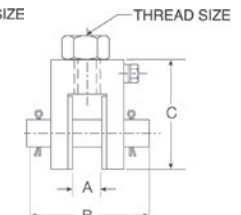


Standard Features

- Mild steel or stainless steel
- Used in the ITCM assembly
- Adapts rod to rod-end ball joint
- Provides electrical isolation for load cell protection
- Eliminates unwanted side loads



Clevis Mount with bolt



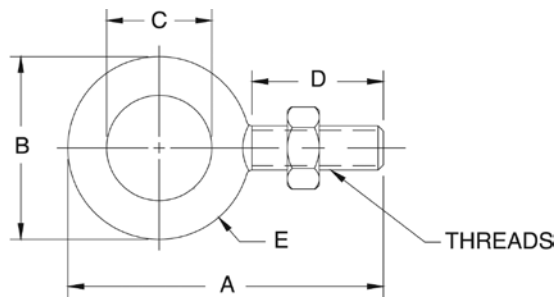
Clevis Mount with pin

Part Number/Price

Part #	A	B	C	D	Thread Size	Safe Load*	Price
Mild Steel with Bolt							
17792	0.52 in	2.38 in	1.94 in	0.38 in	3/8-16 UNC	300 lb	\$87.00
17793	0.52 in	2.38 in	1.94 in	0.38 in	1/2-13 UNC	300 lb	\$87.00
17783	0.39 in	1.81 in	1.69 in	0.25 in	1/2-13 UNC	500 lb	\$99.00
17784	0.65 in	2.68 in	2.31 in	0.50 in	3/4-10 UNC	4,000 lb	\$99.00
17785	0.78 in	3.37 in	3.00 in	0.62 in	1-8 UNC	10,000 lb	\$99.00
17786	0.39 in	1.81 in	1.69 in	0.25 in	3/8-16 UNC	500 lb	\$94.00
17787	0.65 in	2.68 in	2.31 in	0.50 in	1/2-13 UNC	2,000 lb	\$99.00
17788	0.65 in	2.68 in	2.31 in	0.50 in	5/8-11 UNC	2,500 lb	\$99.00
17789	0.78 in	3.37 in	3.00 in	0.62 in	3/4-10 UNC	5,000 lb	\$99.00
Mild Steel with Pin							
17790	1.39 in	4.12 in	4.50 in	1.00 in	1 1/4-7 UNC	15,000 lb	\$367.00
17791	1.22 in	4.12 in	5.00 in	1.25 in	1 1/2-6 UNC	20,000 lb	\$367.00
Stainless Steel with Pin							
33644	0.52 in	2.38 in	1.94 in	0.38 in	1/2-13 UNC	300 lb	\$192.00
33643	0.39 in	1.81 in	1.69 in	0.25 in	1/2-13 UNC	500 lb	\$192.00
33641	0.39 in	1.81 in	1.69 in	0.25 in	3/8-16 UNC	500 lb	\$192.00
33658	0.52 in	2.38 in	1.94 in	0.38 in	3/8-16 UNC	500 lb	\$192.00
33642	0.65 in	2.68 in	2.31 in	0.50 in	3/4-10 UNC	4,000 lb	\$250.00
33640	0.65 in	2.68 in	2.31 in	0.50 in	1/2-13 UNC	2,000 lb	\$250.00
33639	0.65 in	2.68 in	2.31 in	0.50 in	5/8-11 UNC	2,500 lb	\$250.00
33638	0.78 in	3.37 in	3.00 in	0.62 in	3/4-10 UNC	5,000 lb	\$250.00

*Do not exceed the safe load

Load Cell Eye Bolts



Standard Features

- Mild steel
- One jam nut included with each eye bolt

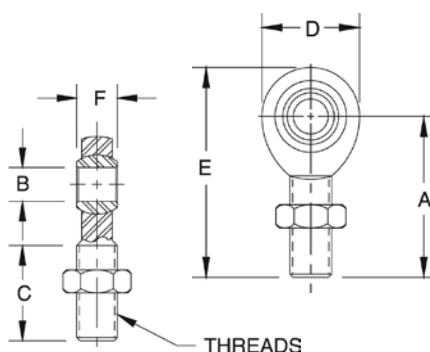
Part Number/Price

Part #	A	B	C	D	E	Thread Size	Safe Load*	Price
Mild Steel								
17705	2.25 in	1.25 in	0.75 in	1.00 in	0.25 in	1/4-28 UNF	500 lb	\$30.00
17707	2.91 in	1.66 in	1.00 in	1.25 in	0.33 in	3/8-24 UNF	1,300 lb	\$30.00
17709	3.56 in	2.06 in	1.19 in	1.50 in	0.44 in	1/2-20 UNF	2,400 lb	\$31.00
17711	4.25 in	2.50 in	1.37 in	1.75 in	0.56 in	5/8-18 UNF	4,000 lb	\$36.00
17713	4.81 in	2.81 in	1.50 in	2.00 in	0.66 in	3/4-16 UNF	5,000 lb	\$76.00
17715	6.06 in	3.56 in	1.81 in	2.50 in	0.87 in	1-12 UNF	9,000 lb	\$120.00
17716	6.06 in	3.56 in	1.81 in	2.50 in	0.87 in	1-14 UNS	9,000 lb	\$120.00
17704	2.25 in	1.25 in	0.75 in	1.00 in	0.25 in	1/4-20 UNC	500 lb	\$25.00
17706	2.91 in	1.66 in	1.00 in	1.25 in	0.33 in	3/8-16 UNC	1,300 lb	\$27.00
17708	3.56 in	2.06 in	1.19 in	1.50 in	0.44 in	1/2-13 UNC	2,400 lb	\$27.00
17710	4.25 in	2.50 in	1.37 in	1.75 in	0.56 in	5/8-11 UNC	4,000 lb	\$40.00
17712	4.81 in	2.81 in	1.50 in	2.00 in	0.66 in	3/4-10 UNC	5,000 lb	\$60.00
17714	6.06 in	3.56 in	1.81 in	2.50 in	0.87 in	1-8 UNC	9,000 lb	\$62.00
17717	7.44 in	4.44 in	2.19 in	3.00 in	1.12 in	1 1/4-7 UNC	15,000 lb	\$175.00

*Do not exceed the safe load

HARDWARE AND
ACCESSORIES

Rod End Ball Joints



Standard Features

- Mild steel or stainless steel
- Used in the ITCM assembly
- One jam nut included with each rod end ball joint

Part Number/Price

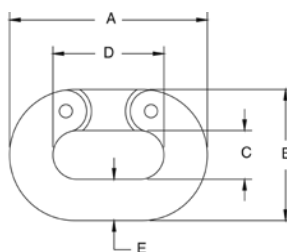
Part #	Safe Load*	Breaking Strength	PTFE Lined	Price
Mild Steel				
17746	975 lb	3,915 lb	YES	\$34.00
17734	1,200 lb	4,916 lb	NO	\$24.00
17736	4,000 lb	16,238 lb	NO	\$60.00
17738	7,000 lb	28,081 lb	NO	\$103.00
17735	2,000 lb	8,075 lb	NO	\$29.00
17737	3,250 lb	13,831 lb	NO	\$42.00
17739	500 lb	2,158 lb	YES	\$34.00
17740	4,000 lb	16,238 lb	YES	\$55.00
17741	10,000 lb	40,572 lb	YES	\$82.00
17742	10,500 lb	43,541 lb	NO	\$154.00
26007	15,000 lb	76,200 lb	YES	\$318.00
17747	19,000 lb	76,200 lb	YES	\$366.00
17743	20,000 lb	79,728 lb	NO	\$276.00
17744	24,000 lb	96,510 lb	NO	\$382.00
Stainless Steel				
33505	500 lb	2,158 lb	YES	\$148.00
33506	1,500 lb	7,362 lb	YES	\$148.00
33507	3,000 lb	16,238 lb	YES	\$159.00
33508	7,000 lb	40,572 lb	YES	\$366.00

*Do not exceed the safe load

Dimensions

Part #	A	B	C	D	E	F	Thread Size
Mild Steel							
17746	1.94 in	0.37 in	1.25 in	1.00 in	2.43 in	0.50 in	3/8-24 UNF
17734	1.94 in	0.37 in	1.25 in	1.00 in	2.43 in	0.50 in	3/8-24 UNF
17736	2.44 in	0.50 in	1.50 in	1.31 in	3.09 in	0.62 in	1/2-20 UNF
17738	2.87 in	0.75 in	1.75 in	1.75 in	3.75 in	0.87 in	3/4-16 UNF
17735	2.44 in	0.50 in	1.50 in	1.31 in	3.09 in	0.62 in	1/2-20 UNF
17737	2.87 in	0.75 in	1.75 in	1.75 in	3.75 in	0.87 in	3/4-16 UNF
17739	1.56 in	0.25 in	1.00 in	0.75 in	1.93 in	0.37 in	1/4-28 UNF
17740	2.44 in	0.50 in	1.50 in	1.31 in	3.09 in	0.62 in	1/2-20 UNF
17741	2.87 in	0.62 in	1.75 in	1.75 in	3.75 in	0.75 in	3/4-16 UNF
17742	4.12 in	1.00 in	2.12 in	2.75 in	5.50 in	1.37 in	1-12 UNF
26007	4.12 in	1.00 in	2.12 in	2.75 in	5.50 in	1.37 in	1-14 UNS
17747	4.12 in	1.00 in	2.12 in	2.75 in	5.50 in	1.37 in	1-12 UNF
17743	4.12 in	1.25 in	2.12 in	2.75 in	5.50 in	1.09 in	1 1/4-12 UNF
17744	5.37 in	1.50 in	3.00 in	3.50 in	7.12 in	1.31 in	1 1/2-12 UNF
Stainless Steel							
33506	1.94 in	0.37 in	1.25 in	1.00 in	2.43 in	0.50 in	3/8-24 UNF
33505	1.56 in	0.25 in	1.00 in	0.75 in	1.93 in	0.37 in	1/4-28 UNF
33507	2.44 in	0.50 in	1.50 in	1.31 in	3.09 in	0.62 in	1/2-20 UNF
33508	2.87 in	0.62 in	1.75 in	1.75 in	3.75 in	0.75 in	3/4-16 UNF

Connecting Links



Standard Features

- Drop-forged carbon steel, heat-treated, hot-dipped galvanized finish

Part Number/Price

Part #	A	B	C	D	E	Safe Load*	Price
17794	1.50 in	1.00 in	0.43 in	0.87 in	0.25 in	1,325 lb	\$45.00
17795	2.06 in	1.37 in	0.56 in	1.12 in	0.37 in	2,750 lb	\$48.00
17797	3.31 in	2.09 in	0.78 in	1.81 in	0.62 in	7,250 lb	\$58.00
17798	3.87 in	2.50 in	0.93 in	2.12 in	0.75 in	10,250 lb	\$77.00
17799	5.00 in	3.31 in	1.25 in	2.75 in	1.00 in	15,500 lb	\$130.00

*Do not exceed the safe load

Load Cell Isolators



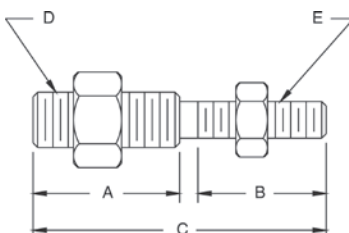
Power surges such as those caused by welding or electrical shorts frequently damage load cells and indicators. To prevent such damage, these isolators electrically separate the mechanical assembly from its tension-type load cell.

Part Number/Price

Part #	Height Thread Size	Diameter	Safe Load*	Price
17722	3/8-16 UNC	2.50 in	600 lb	\$52.00
17724	1/2-13 UNC	2.50 in	600 lb	\$56.00
17726	1/2-20 UNF	2.50 in	600 lb	\$95.00
17725	1/2-13 UNC	2.00 in	3,000 lb	\$130.00
17723	3/8-24 UNF	2.50 in	600 lb	\$98.00
17728	1/2-13 UNC × 1/2-20 UNF	2.50 in	600 lb	\$73.00
17732	1/4-20 UNC	1.12 in	250 lb	\$56.00

*Do not exceed the safe load

Threaded Adapters



Standard Features

- For coupling isolators with load cells and steelyard rods
- Supplied with jam nuts
- Stainless steel

Part Number/Price

Part #	A	B	C	D	E	Safe Load*	Price
33561	-	-	2.00 in	1/4-28 UNF	1/4-28 UNF	300 lb	\$29.00
33562	0.94 in	0.94 in	2.00 in	1/4-28 UNF	1/4-20 UNC	300 lb	\$32.00
33563	0.92 in	1.02 in	2.06 in	1/4-28 UNF	3/8-24 UNF	300 lb	\$37.00
33564	0.94 in	0.94 in	2.00 in	1/4-28 UNF	3/8-16 UNC	300 lb	\$29.00
33565	1.06 in	1.06 in	2.25 in	1/4-20 UNC	3/8-16 UNC	300 lb	\$32.00
33567	1.06 in	1.06 in	2.25 in	1/4-28 UNF	1/2-13 UNC	300 lb	\$32.00
33568	-	-	2.00 in	3/8-24 UNF	3/8-24 UNF	500 lb	\$42.00
33569	0.91 in	0.91 in	2.00 in	3/8-16 UNC	3/8-24 UNF	500 lb	\$36.00
33570	1.06 in	1.06 in	2.25 in	3/8-24 UNF	1/2-13 UNC	500 lb	\$32.00
33571	1.31 in	1.31 in	2.75 in	1/2-13 UNC	5/8-11 UNC	3,000 lb	\$32.00
33572	0.87 in	0.87 in	2.00 in	1/2-13 UNC	1/2-20 UNF	3,000 lb	\$36.00
33573	-	-	2.06 in	1/2-20 UNF	1/2-20 UNF	3,000 lb	\$36.00
33574	1.31 in	1.31 in	2.75 in	1/2-20 UNF	5/8-11 UNC	3,000 lb	\$38.00
33575	1.31 in	1.31 in	3.00 in	3/4-16 UNF	3/4-10 UNC	7,000 lb	\$40.00

*Do not exceed the safe load

ITCM Hardware Kits



Mount only - does not include load cell

The Isolated Tension Cell Mount (ITCM) is a mounting assembly designed for tension mounting S-beam load cells in suspended hopper assemblies and mechanical scale conversions. The ITCM incorporates clevis and unique rod end ball joint assemblies, reducing the overall length to less than half of traditional tension cell mounts, while providing correct load alignment. In addition, the load cell is completely electrically isolated from stray currents, a major cause of load cell failure. To complete the design, a grounding strap connects the two clevis assemblies to further ensure load cell safety.

Standard Features

- Provides greater safety than traditional suspension configurations
- Complete package for ease of installation
- Built-in electrical isolation without having to use isolators (not available on 20,000 lb version)
- Provides correct load cell loading even in difficult installations
- Dramatically reduces overall length
- Capacities from 300 to 20,000 lb
- Clevis mounts with nylon insulating washers
- PTFE-lined rod end ball joints (not available on 20,000 lb version)
- Completely isolates load cell from stray currents
- Grounding strap for electrical continuity
- Zinc plated clevis
- Mount only: does not include load cell

Applications

- Suspended hoppers
- Mechanical scale conversions
- Replaces traditional eye bolt, isolator configurations

Part Number/Price

Part #	Load Rating	Clevis Thread	Rod End Thread	Safe Load*	Price
Mild Steel					
17968	300 lb	3/8-16	3/8-24	300 lb	\$236.00
17969	300 lb	1/2-13	3/8-24	300 lb	\$236.00
17894	500 lb	3/8-16	1/4-28	500 lb	\$236.00
17895	500 lb	1/2-13	1/4-28	500 lb	\$236.00
17896	2,000 lb	1/2-13	1/2-20	2,000 lb	\$285.00
17897	2,500 lb	5/8-11	1/2-20	2,500 lb	\$285.00
17898	4,000 lb	3/4-10	1/2-20	4,000 lb	\$285.00
17899	5,000 lb	3/4-10	3/4-16	5,000 lb	\$325.00
17900	10,000 lb	1-8	3/4-16	10,000 lb	\$325.00
17958	15,000 lb (RL20000I)	1 1/4-7	1-12	15,000 lb	\$1,284.00
63166	15,000 lb (RL20001)	1 1/4-7	1-14	15,000 lb	\$1,229.00
17959	20,000 lb**	1 1/2-6	1 1/4-12	20,000 lb	\$1,134.00
Stainless Steel					
33630	500 lb	3/8-16	3/8-24	500 lb	\$643.00
33631	300 lb	1/2-13	3/8-24	300 lb	\$643.00
33632	500 lb	3/8-16	1/4-28	500 lb	\$643.00
33633	500 lb	1/2-13	1/4-28	500 lb	\$643.00
33634	2,000 lb	1/2-13	1/2-20	2,000 lb	\$774.00
33635	2,500 lb	5/8-11	1/2-20	2,500 lb	\$774.00
33636	3,000 lb	3/4-10	1/2-20	3,000 lb	\$774.00
33637	5,000 lb	3/4-10	3/4-16	5,000 lb	\$1,124.00

* Do not exceed the safe load **Not electrically isolated
Note: Replacement parts for mounts can be found in the Replacement Parts Catalog.

Grounding Straps



Standard Features

- Used in the ITCM assembly
- Tinned copper braid
- Crimped sleeve on ends with 0.25 in hole
- Available in 12 in, 14 in, 16 in, 24 in or 32 in lengths

Part Number/Price

Part #	Length	Price
17778	12 in	\$22.00
17779	14 in	\$22.00
17780	16 in	\$22.00
17781	24 in	\$22.00
17782	32 in	\$30.00

Ball Bearings



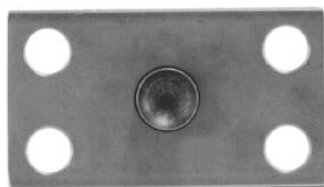
Standard Features

- Use with load cup and load receiver to build a custom scale
- 52100 chrome alloy steel

Part Number/Price

Part #	Drawing Dimensions	Price
18815	5/8 in diameter crush strength 32,000 lb	\$16.00
18816	7/8 in diameter crush strength 59,000 lb	\$18.00
65841	1.25 in diameter crush strength 100,000 lb	\$37.00

Load Receiver Plate

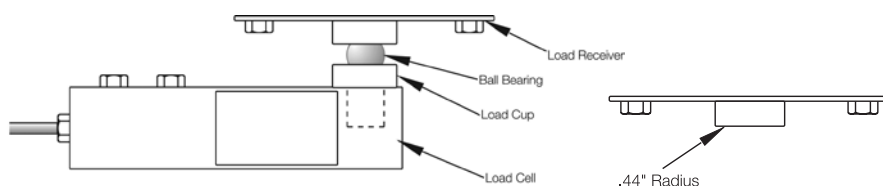
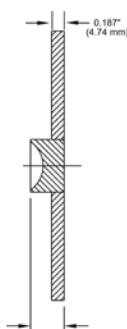
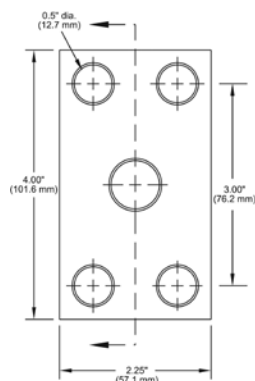


Standard Features

- Design offers accurate point loading
- Self-centering effect built in
- Use with load cup and ball bearings to build a custom scale
- Ball and cup load introduction provides point loading for maximum accuracy
- Stainless steel construction

Part Number/Price

Part #	Description	Price
18832	Load receiver plate	\$58.00



HARDWARE AND
ACCESSORIES

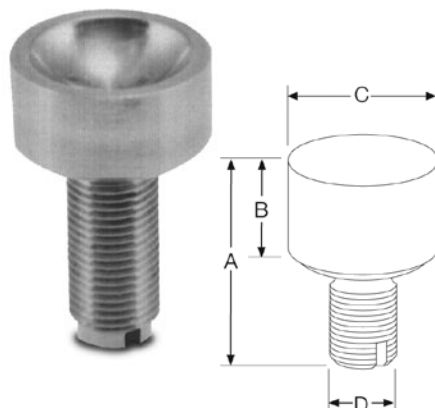
Load Cups

Standard Features

- Ball and cup load introduction provides point loading for maximum accuracy
- For use with most popular single-ended beam load cells
- Constructed of 440C stainless steel

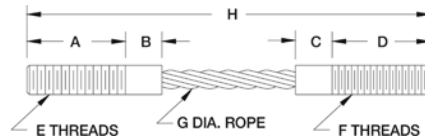
Part Number/Price

Part #	A	B	C	D	Price
31911	1.70 in	0.54 in	1.07 in	1/2-20 UNF	\$58.00
212364	1.70 in	0.54 in	1.07 in	M8	\$70.00
33654	1.12 in	0.54 in	0.78 in	1/2-20 UNF	\$49.00
33653	1.50 in	0.80 in	1.12 in	3/4-16 UNF	\$48.00
33652	2.00 in	0.85 in	1.75 in	1-12 UNF	\$118.00
33651	2.85 in	0.85 in	1.75 in	1-12 UNF	\$165.00
33650	2.85 in	0.85 in	1.75 in	1-14 UNF	\$165.00
33647	2.75 in	0.50 in	0.75 in	1/2-20 UNF	\$59.00
72364	1.78 in	0.53 in	0.78 in	1/2-20 UNF	\$69.00
69431	Replacement cup for Cardinal® SCA-50,000 load cell				\$143.00



Wire Rope Assemblies

Note: Wire ropes should not be exposed to shock loads, chemicals or twisting. Chains or rods should be used as a safety backup in case of catastrophic failure.



Wire Rope Assemblies

- Wire rope assemblies provide better alignment and greatly increase load cell repeatability. In addition, they act as natural vibration dampeners.

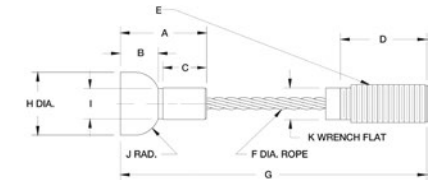
Part Number/Price

Part #	A	B & C	D	E	F	G	H	Safe Load*	Price
17760	0.87 in	0.50 in	0.87 in	1/4-20 UNC-2A	1/4-28 UNF-2A	0.12 in	4.00 in	400 lb	\$58.00
17762	1.25 in	0.50 in	1.25 in	3/8-16 UNC-2A	3/8-24 UNF-2A	0.18 in	5.00 in	850 lb	\$64.00
17766	1.62 in	0.50 in	1.62 in	1/2-13 UNC-2A	1/2-20 UNF-2A	0.25 in	6.50 in	1,400 lb	\$66.00
17765	1.62 in	0.50 in	1.62 in	1/2-13 UNC-2A	1/2-20 UNF-2A	0.25 in	5.50 in	1,400 lb	\$79.00
17764	1.00 in	-	1.37 in	1/2-20 UNF-2A	1/2-20 UNF-2A	0.25 in	4.00 in	1,400 lb	\$95.00
17768	2.00 in	-	2.50 in	3/8-24 UNF-2A	3/8-24 UNF-2A	0.12 in	5.50 in	400 lb	\$143.00
17769**	1.25 in	-	0.75 in	1/4-28 UNF-2A	1/4-28 UNF-2A	0.12 in	3.00 in	400 lb	\$159.00
17771**	1.25 in	-	0.75 in	1/2-20 UNF-2A	1/2-20 UNF-2A	0.25 in	3.00 in	1,400 lb	\$69.00
115292***	1.25 in	-	0.75 in	1/4-28 UNF-2A	1/4-28 UNF-2A	0.12 in	3.00 in	300 lb	\$111.00
33084****	1.31 in	-	1.00 in	1/2-20 UNF	1/2-20 UNF	0.125 in	3.62 in	850 lb	\$87.00

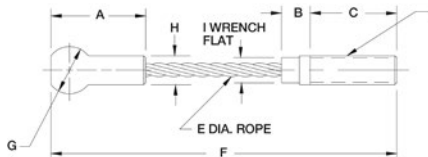
*Do not exceed the safe load **Used with Rice Lake Weighing Systems flexure bases ***Stainless steel ****Used with Rice Lake Weighing Systems FXB flexure bases

Cardinal® Wire Rope Assemblies

HARDWARE AND
ACCESSORIES



Part #17767 EL209



Part #17763 EL208

Cardinal Wire Rope Assemblies

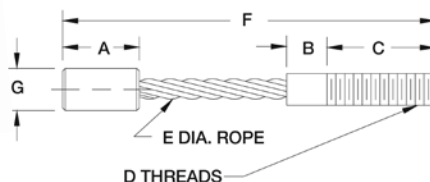
- EL208 Cardinal wire rope assembly:
Used on 7,500 lb capacity FH model and 8,000 lb capacity EP model
- EL209 Cardinal wire rope assembly:
Used on 20,000 lb capacity FH and EP models.
May also be used on 15,000 lb capacity FH and EP models

Part Number/Price

Part #	A	B	C	D	E	F	G	H	I	J	K	L & M	N	Safe Load*	Price
17763	1.50 in	-	0.50 in	1.50 in	-	1/2-13 UNC	0.25 in	6.00 in	0.81 in	0.43 in	-	-	0.43 in	1,400 lb	\$126.50
17767	1.71 in	0.75 in	0.09 in	2.00 in	0.43 in	6.31 in	3/4-10 UNC-2A	1.25 in	-	0.60 in	0.50 in	0.625 in	0.375 in	2,880 lb	\$247.50

*Do not exceed the safe load

Custom Wire Ropes



Custom Wire Ropes

- When ordering, please complete Custom Wire Rope Definition form and provide a sample if possible, and specify the required tension rating and total capacity
- Wire ropes should not be exposed to shock loads, chemicals or twisting. Chains or rods should be used as safety backup in case of catastrophic failure.

Custom Wire Rope Definition

Customer Number:

Company: Name:

Date: Phone: Fax: Email:

Background Information

Application

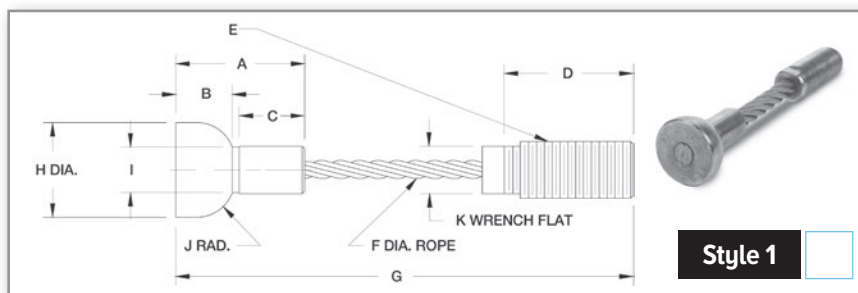
Safe Load

Environment

Desired Material

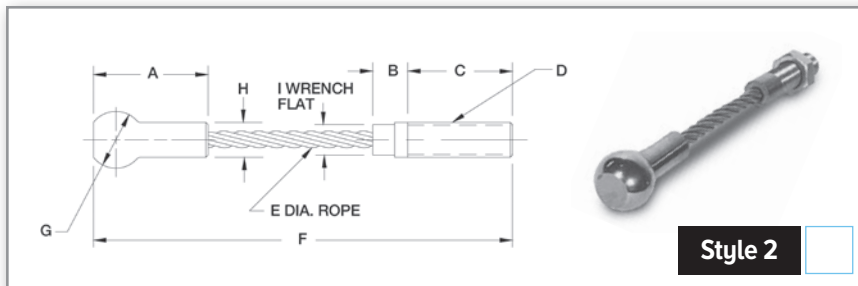
Custom Wire Rope Dimensions

Check the desired style and enter dimensions. Use drawings for reference.



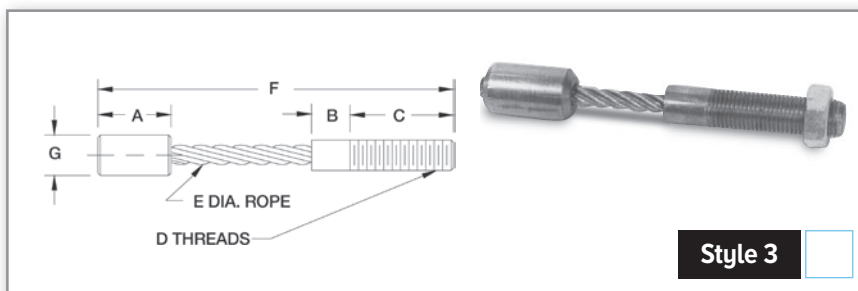
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C SHANK LENGTH <input type="text"/>	D THREAD LENGTH <input type="text"/>
E THREADS <input type="text"/>	F ROPE DIAMETER <input type="text"/>
G OVERALL LENGTH <input type="text"/>	H BALL DIAMETER <input type="text"/>
I SHANK DIAMETER <input type="text"/>	J RADIUS <input type="text"/>
K WRENCH FLAT <input type="text"/>	



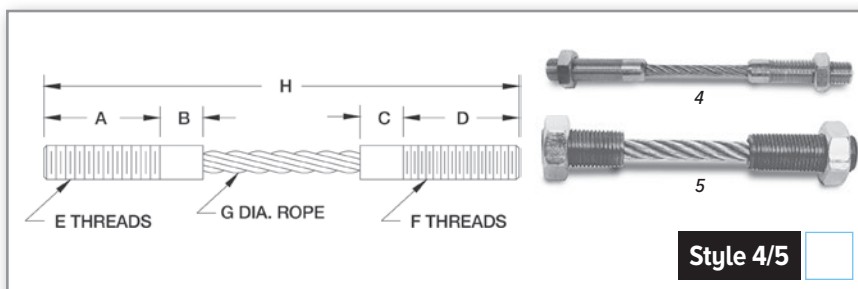
Style 2 ☐

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C THREAD LENGTH <input type="text"/>	D THREADS <input type="text"/>
E ROPE DIAMETER <input type="text"/>	F OVERALL LENGTH <input type="text"/>
G BALL DIAMETER <input type="text"/>	H SHANK DIAMETER <input type="text"/>
I WRENCH FLAT <input type="text"/>	



Style 3 ☐

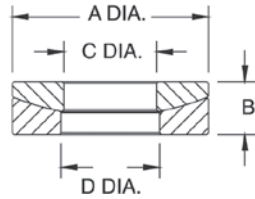
A THREAD LENGTH <input type="text"/>	B SHANK LENGTH <input type="text"/>
C THREAD LENGTH <input type="text"/>	D THREADS <input type="text"/>
E ROPE DIAMETER <input type="text"/>	F OVERALL LENGTH <input type="text"/>
G SHANK DIAMETER <input type="text"/>	



Style 4/5 ☐

A THREAD LENGTH <input type="text"/>	B SHANK LENGTH <input type="text"/>
C SHANK LENGTH <input type="text"/>	D THREAD LENGTH <input type="text"/>
E THREADS <input type="text"/>	F THREADS <input type="text"/>
G ROPE DIAMETER <input type="text"/>	H OVERALL LENGTH <input type="text"/>

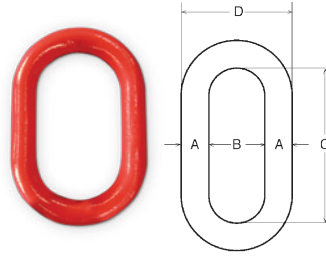
Spherical Washer Sets



Part Number/Price

Part #	Bolt Size	A	B	C	D	Price
Mild Steel						
15196	0.25 in	0.62 in	0.20 in	0.28 in	0.31 in	\$16.00
15197	0.38 in	0.88 in	0.25 in	0.41 in	0.44 in	\$19.00
15198	0.50 in	1.12 in	0.31 in	0.53 in	0.56 in	\$8.50
15199	0.62 in	1.38 in	0.31 in	0.66 in	0.69 in	\$20.00
15200	0.75 in	1.62 in	0.38 in	0.78 in	0.81 in	\$25.00
15201	1.00 in	2.00 in	0.50 in	1.06 in	1.12 in	\$39.00
15202	1.25 in	2.62 in	0.50 in	1.31 in	1.38 in	\$72.00
15203	1.50 in	2.88 in	0.53 in	1.56 in	1.62 in	\$79.00
15205	2.00 in	3.88 in	0.81 in	2.06 in	2.12 in	\$127.00
Stainless Steel						
33218	0.50 in	1.12 in	0.31 in	0.53 in	0.56 in	\$27.00
33220	0.75 in	1.62 in	0.38 in	0.78 in	0.81 in	\$38.00

Weldless End Links



Standard Features

- Self-colored or hot-dip galvanized finish
- Forged carbon steel quenched and tempered

Part Number/Price

Part #	A	B	C	D	Safe Load*	Price
F312L	0.625 in	1.00 in	3.25 in	2.32 in	9,300 lb	\$58.00
17810	0.875 in	2.00 in	5.13 in	3.75 in	12,000 lb	\$175.00
21911	1.00 in	2.25 in	5.75 in	4.25 in	15,200 lb	\$344.00
65430	1.25 in	2.50 in	7.00 in	5.00 in	26,400 lb	\$159.00
21912	1.375 in	2.75 in	7.75 in	5.50 in	30,000 lb	\$488.00

*Do not exceed the safe load

Load Cell Spacers

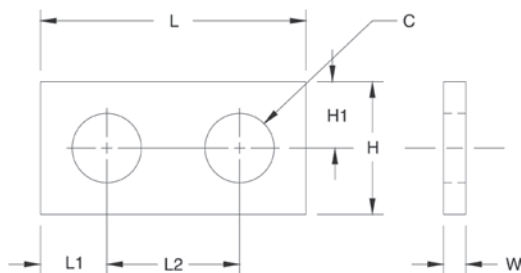


Standard Features

- Use with most popular single-ended beams
- Provides flat mounting surface required for optimal load cell performance
- Zinc-plated mild steel or stainless steel

Part Number/Price

Part #	C	H	H1	L	L1	L2	W	Price
Mild Steel								
17754	0.53 in	1.25 in	0.62 in	2.25 in	0.62 in	1.00 in	0.25 in	\$29.00
17755	0.78 in	1.50 in	0.75 in	3.00 in	0.75 in	1.50 in	0.25 in	\$29.00
17756	1.03 in	2.00 in	1.00 in	4.00 in	1.00 in	2.00 in	0.25 in	\$30.00
18260	0.53 in	1.25 in	0.62 in	2.25 in	0.62 in	1.00 in	0.37 in	\$31.00
Stainless Steel								
17757	0.78 in	1.50 in	0.75 in	3.00 in	0.75 in	1.50 in	0.25 in	\$37.00
18383	0.53 in	1.25 in	0.62 in	2.25 in	0.62 in	1.00 in	0.37 in	\$32.00
18411	0.53 in	1.25 in	0.62 in	2.25 in	0.62 in	1.00 in	0.25 in	\$33.00



Load Button



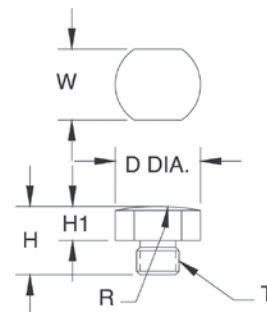
Standard Features

Load Button

- Suitable for use with compression mounting assemblies, canisters, S-beams and single-ended beams
- Hardened alloy steel

Part Number/Price

Part #	T	D	H	H1	R	W	Price
17750	3/8-24 UNF	0.75 in	0.60 in	0.30 in	2.00 in	0.63 in	\$37.00
17751	1/2-20 UNF	0.75 in	0.70 in	0.30 in	4.00 in	0.63 in	\$32.00
17752	3/4-16 UNF	1.50 in	0.90 in	0.30 in	6.00 in	1.25 in	\$50.00





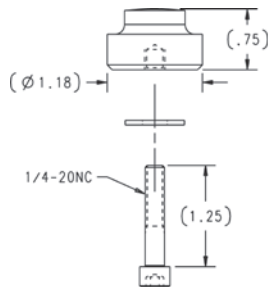
Standard Features

Load Button Insert Kit

- To be used with RLSSB and VPG Revere SSB load cells (1,000 to 5,000 lb)
- Hardened alloy steel

Part Number/Price

Part #	Description	Price
26112	Load button insert kit	\$37.00



Standard Features

- Replacement foot, adapts to most floor scales
- Use with single-ended beams to provide large, flat, adjustable introduction surface
- Special neoprene rubber sandwich base gives high accuracy, linearity and repeatability

Part Number/Price

Part #	Material	Thread Size	Base Ht.	Total Ht.	Diameter	Price
18756	Stainless steel	1/2-20 UNF	0.75 in	2.62 in	3.47 in	\$50.00
39021	Mild steel	3/4-16 UNF-2B	0.875 in	3.25 in	4.40 in	\$93.00
39022	Mild steel	3/4-16 UNF-2B	0.875 in	4.06 in	5.40 in	\$135.00
110930	Mild steel	1-14 UNF	1.00 in	4.06 in	5.40 in	\$235.00
42130	Stainless steel	M12	0.75 in	2.62 in	3.47 in	\$103.00

Flintec® Adjustable Rubber Foot



SLB, SB4, SB5, SB14 and SB6



BK2

Standard Features

- Blind hole introduction
- Low profile
- Height adjustable by rotation
- Includes spacer
- Stainless steel

Part Number/Price

Part #	Foot Diameter	Load Cell Capacity	Price
SLB, SB4, SB5, SB14 and SB6			
46230	2.36 in	200 to 500 lb	\$65.00
77561	3.14 in	1,000 to 5,000 lb	\$65.00
BK2			
87096	3.140 in	200 to 2,000 kg	\$65.00

Bench Scale Feet



107476



19141



35128

Standard Features

- Rubber pad, 1/4-20 UNC thread
- Stainless steel, 3/8-16 UNC thread

Part Number/Price

Part #	Description	Price
Rubber Pad		
35128	Bench scale feet	\$14.00
107476	CW-90/CW-90X feet	\$21.00
Stainless Steel		
19141	Bench scale feet	\$8.00

Polyurethane Rubber Leveling Feet



Standard Features

- Stainless steel stem for corrosion resistance
- Heavy-duty construction, low-cost replacement feet
- Four standard diameters all with 1/2-20 UNF stainless steel stud, slotted for top-access applications
- Stainless steel jam nut provided
- Top of stud is machined undersize 10% for easy alignment into load cell

Part Number/Price

Part #	Foot Diameter	Height	Price
74585	1.87 in	3.00 in	\$32.00
74586	2.00 in	3.00 in	\$32.00
74587	2.50 in	3.00 in	\$32.00
73801	3.00 in	3.00 in	\$32.00

Captured Ball Floor Scale Leveling Feet



Carbon

Stainless Steel

Standard Features

Carbon steel

- Bright zinc and clear chromate plating for corrosion resistance
- Active ball suspension provides ideal load cell loading with maximum side load protection
- Hardened alloy steel with plated finish
- Includes one jam nut in carbon steel and stainless steel feet
- Top of stud is machined undersized 10% for easy alignment into load cell plus slotted for top-access applications

Stainless steel

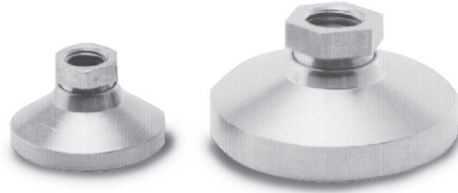
- Provides outstanding accuracy, repeatability and performance
- Active ball suspension provides optimal load cell performance
- Hardened stainless steel material, welded with polished finish
- Includes one jam nut in carbon steel and stainless steel feet
- Top of stud is machined undersized 10% for easy alignment into load cell plus slotted for top-access applications

Part Number/Price

Part #	Foot Diameter	Thread Size Inches	Height	Price
Carbon Steel				
74578	1.87 in	1/2-20 UNF	3.50 in	\$45.00
74579	2.00 in	1/2-20 UNF	3.50 in	\$45.00
74580	2.50 in	1/2-20 UNF	3.50 in	\$45.00
74581	3.00 in	1/2-20 UNF	3.50 in	\$45.00
74582	3.00 in	3/4-16 UNF	4.50 in	\$56.00
74583	3.00 in	1-12 UNF	4.50 in	\$67.00
74584	3.00 in	1-14 UNF	4.50 in	\$67.00
171449	3.00 in	1-14 UNF	5.00 in	\$83.00
173018	4.40 in	3/4-16 UNF	3.13 in	\$96.00
174937	5.40 in	3/4-16 UNF	4.13 in	\$139.00
Stainless Steel				
74572	1.87 in	1/2-20 UNF	3.50 in	\$80.00
74573	2.00 in	1/2-20 UNF	3.50 in	\$80.00
73800	2.50 in	1/2-20 UNF	3.50 in	\$80.00
74574	3.00 in	1/2-20 UNF	3.50 in	\$80.00
74575	3.00 in	3/4-16 UNF	4.50 in	\$113.00
74576	3.00 in	1-12 UNF	4.50 in	\$136.00
74577	3.00 in	1-14 UNF	4.50 in	\$136.00
92380*	2.50 in	1/2-20 UNF	3.50 in	\$80.00
175615	3.47 in	1/2-20NF	2.62 in	\$108.00

*Stem is fully threaded

Leveling Pads



Standard Features

- Replacement feet adapt to most floor scales
- Available in mild steel or stainless steel
- Simple swivel design
- Use with single-ended shear beams or bending beams to provide a large, flat load introduction surface

Part Number/Price

Part #	Thread Size	Height	Diameter	Price
Mild Steel				
18817	1/2-13 NC	1.12 in	1.87 in	\$27.00
18820	3/4-10 NC	1.50 in	3.00 in	\$47.00
Stainless Steel				
18818	1/2-13 NC	1.12 in	1.87 in	\$63.00
18833	3/4-10 NC	1.50 in	3.00 in	\$109.00

Used in conjunction with leveling pad stems

Leveling Mount



Standard Features

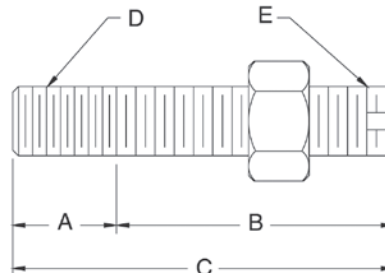
- Designed for use with some floor scales or machinery platforms
- Can limit vibrations transmitted to the scale through the floor
- Provides vibration isolation on most portable platforms

Part Number/Price

Part #	Thread Size	Height	Diameter	Price
18819	1/2-13 NC	1.81 in	5.00 in	\$106.00

HARDWARE AND
ACCESSORIES

Leveling Pad Stems



Standard Features

- For use with leveling pads
- One jam nut included

Part Number/Price

Part #	A	B	C	D	E	Slot	Material	Price
Mild Steel								
17693	0.75 in	2.00 in	2.75 in	3/4-10 UNC	3/4-16 UNF	No	1045	\$17.00
Stainless Steel								
17689	0.50 in	1.50 in	2.00 in	1/2-13 UNC	1/2-20 UNF	Yes	Stainless steel	\$25.00
17695	0.75 in	2.00 in	2.75 in	3/4-10 UNC	3/4-16 UNF	No	Stainless steel	\$40.00

Warning: Do not use to suspend a load

RoughDeck® Scale Base



Part Number/Price

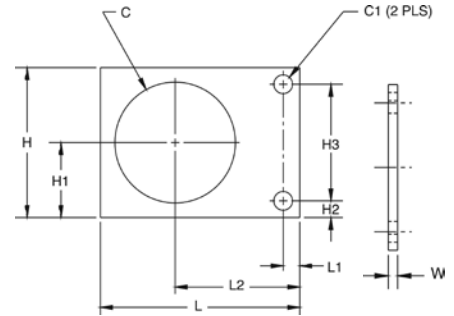
Part #	Description	Price
19075	Mild steel, 1,000 to 10,000 lb	\$19.00
19076	Stainless steel, 1,000 to 10,000 lb	\$25.00

Dimensions

Part #	C	C1	H	H1	H2	H3	L	L1	L2	W
19075	3.62 in	0.56 in	4.50 in	2.25 in	0.50 in	3.50 in	6.00 in	0.50 in	3.75 in	0.25 in
19076	3.62 in	0.56 in	4.50 in	2.25 in	0.50 in	3.50 in	6.00 in	0.50 in	3.75 in	0.25 in

Standard Features

- Secures RoughDeck and other popular floor scales
- Prevents movement in horizontal plane
- Useful with SureFoot™ and other load cell foot assemblies
- Available in stainless steel and mild steel



Summit® 3000 Scale Base



Part Number/Price

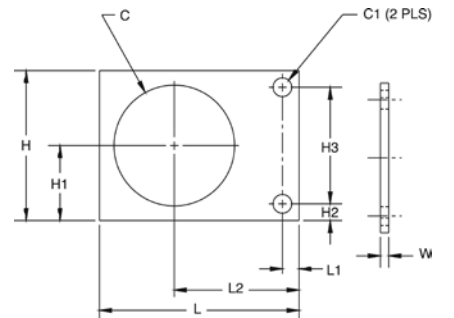
Part #	Description	Price
76149	Mild steel, 2,000 to 10,000 lb	\$19.00

Dimensions

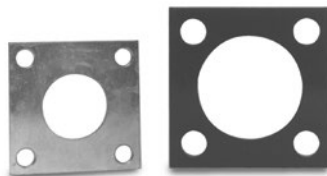
Part #	C	C1	H	H1	H2	H3	L	L1	L2	W
76149	3.19 in	0.56 in	4.50 in	2.25 in	0.50 in	3.50 in	6.00 in	0.50 in	3.75 in	0.25 in

Standard Features

- Mounting plate for Summit 3000 floor scales



Floor Scale Base



Part Number/Price

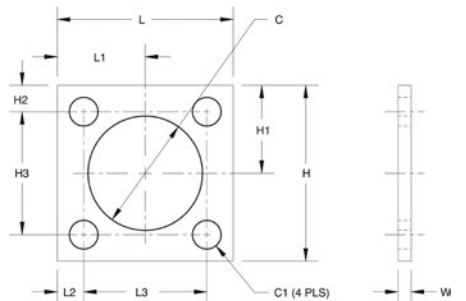
Part #	Description	Price
18737	Mild steel, 1,000 to 10,000 lb	\$9.00
18738	Mild steel, 10,000 to 20,000 lb	\$10.00
18751	Stainless steel, 1,000 to 10,000 lb	\$34.00

Dimensions

Part #	C	C1	H	H1	H2	H3	L	L1	L2	L3	W
18737	2.00 in	0.53 in	4.00 in	2.00 in	0.50 in	3.00 in	4.00 in	2.00 in	0.50 in	3.00 in	0.25 in
18738	3.25 in	0.81 in	5.00 in	2.50 in	0.75 in	3.50 in	5.00 in	2.50 in	0.75 in	3.50 in	0.38 in
18751	2.00 in	0.53 in	4.00 in	2.00 in	0.50 in	3.00 in	4.00 in	2.00 in	0.50 in	3.00 in	0.25 in

Standard Features

- Suitable for use with leveling pads
- Generic mounting plate for popular floor scales
- Fits most floor scale foot assemblies
- Available in stainless steel and mild steel (mild steel parts are zinc plated/painted)



Complete Custom Cable Services



Approvals



Standard Features

- Special cable requirements
- Custom-built cable designed specifically for your application
- Choose from design elements and Rice Lake Weighing Systems will build a cable to your specifications
- Quick turnaround
- Competitively priced
- 5,000 ft minimum purchase

Specifications

Jacket Material:

PVC
Polyurethane
Double-jacketed

Conductors:

Unlimited number
Twisted pairs
Color code
Gauge

Shielding:

Braided
Foil

Jacket Colors:

Black, brown, green, orange, red, blue, yellow, gray, natural

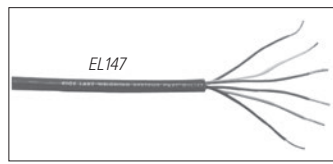
Ink Colors:

Black, white, silver, orange
Custom logos

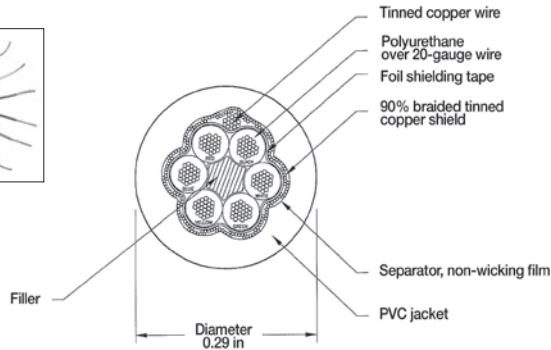
HARDWARE AND
ACCESSORIES

EL147, 6 Wire

Standard Load Cell Cable



Approvals



Standard Features

EL147 Standard Cable

- 20 AWG tinned copper wire stranded for flexibility
- Braided shielding is encased in red PVC
- All conductors are industry-standard color-coded
- Diameter: 0.29 in
- The six-wire cable is best suited for longer runs where remote sense lines can be used
- Temperature rating:
-22 °F to 126 °F (-30 °C to 80 °C)

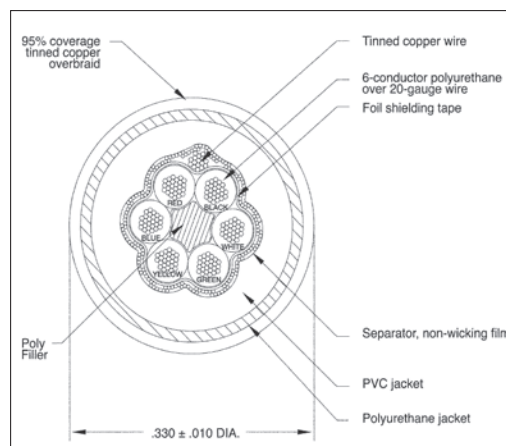
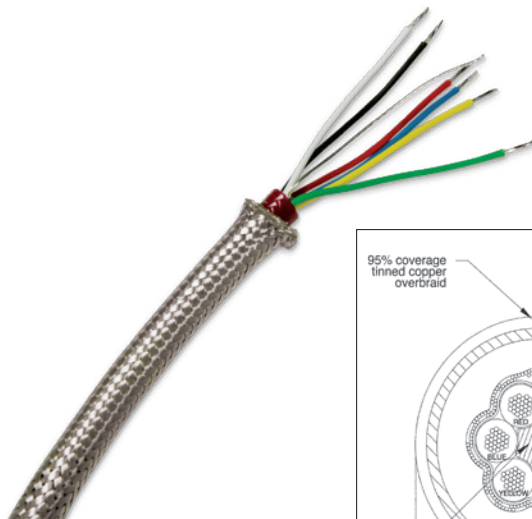
Part Number/Price

Part #	Continuous Roll	Description	Price
15515	100 ft	Six-conductor cable	\$245.00
15516	250 ft	Six-conductor cable	\$535.00
15517	500 ft	Six-conductor cable	\$950.00
15518	1,000 ft	Six-conductor cable	\$1,875.00
15495	Custom length	Six-conductor cable	\$2.45/ft

HARDWARE AND
ACCESSORIES

EL147RP Plus, 6 Wire

Rodent Protection Load Cell Cable



Standard Features

EL147RP Rodent Protection Cable

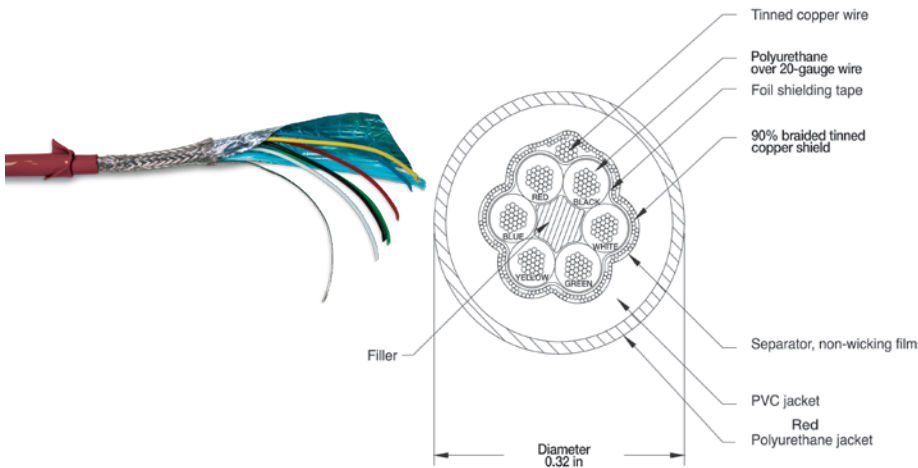
- Tinned copper overbraid provides superior rodent and abrasion deterrent
- Enhanced EMI/RFI protection
- Six-conductor industry-standard color-coded
- Ideal for truck and railroad-track scales
- Diameter: 0.33 in
- Temperature rating:
-22 °F to 176 °F (-30 °C to 80 °C)
- Jacket coating enhanced with a chemical coating "NAW" that is distasteful to rodents

Part Number/Price

Part #	Continuous Roll	Description	Price
31475	Custom length	Six-conductor rodent protection cable	\$4.25/ft
131964	100 ft	Six-conductor rodent protection cable	\$415.00
131965	250 ft	Six-conductor rodent protection cable	\$950.00
131966	500 ft	Six-conductor rodent protection cable	\$1,875.00
131967	1,000 ft	Six-conductor rodent protection cable	\$3,595.00

EL147HE, 6 Wire

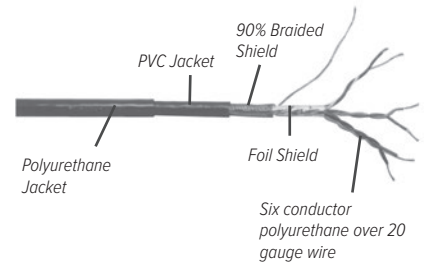
Hostile Environment Load Cell Cable



Standard Features

EL147HE Hostile Environment Cable

- Designed for use in hostile environments
- Polyurethane jacketing provides superior chemical and abrasion resistance
- RFI and EMI protected with foil overbraid shield
- Unmatched durability, yet extremely flexible
- All conductors are industry-standard color-coded
- Diameter: 0.32 in
- Temperature rating: -22 °F to 176 °F (-30 °C to 80 °C)

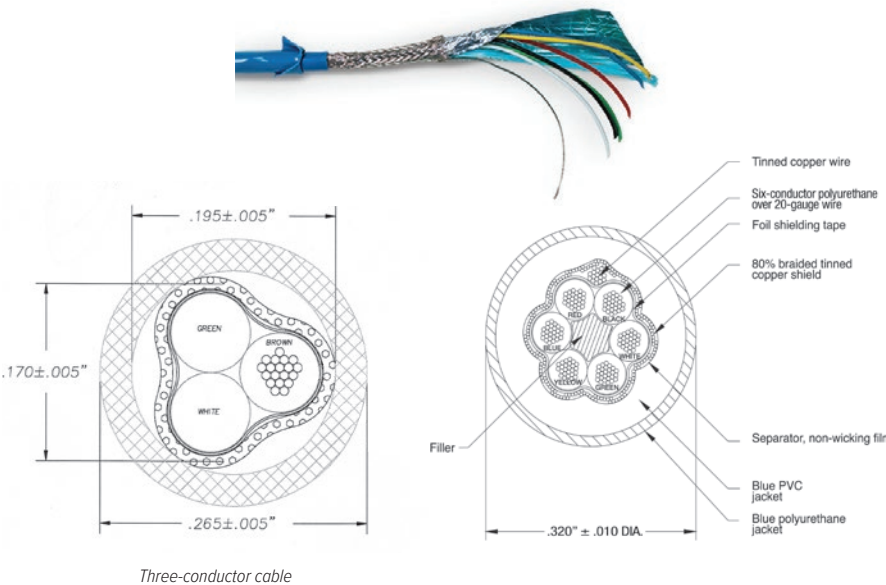


Part Number/Price

Part #	Continuous Roll	Description	Price
15520	100ft	Six-conductor hostile environment cable	\$285.00
15521	250ft	Six-conductor hostile environment cable	\$675.00
15522	500ft	Six-conductor hostile environment cable	\$1,225.00
15523	1,000ft	Six-conductor hostile environment cable	\$2,125.00
15496	Custom length	Six-conductor hostile environment cable	\$2.95/ft

EL147IS, 6 Wire

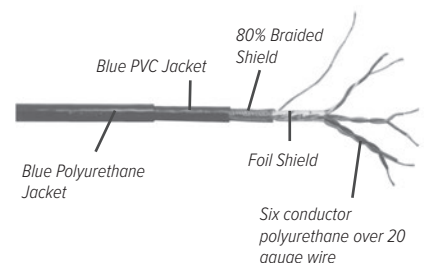
Hazardous Environment Blue Jacket Load Cell Cable



Standard Features

EL147IS Hazardous Environment Blue Jacket Cable

- Designed for intrinsically safe applications (must be wired according to Factory Mutual System-approved diagram)
- Polyurethane over PVC double jacketing provides superior chemical and abrasion resistance
- Both foil and braided wire shields for added RFI and EMI protection
- Six-conductor is industry-standard color-coded (Also available three-conductor)
- Suited for longer runs where remote sense lines can be used
- Temperature rating: -22 °F to 176 °F (-30 °C to 80 °C)
- Diameter: 0.32 in

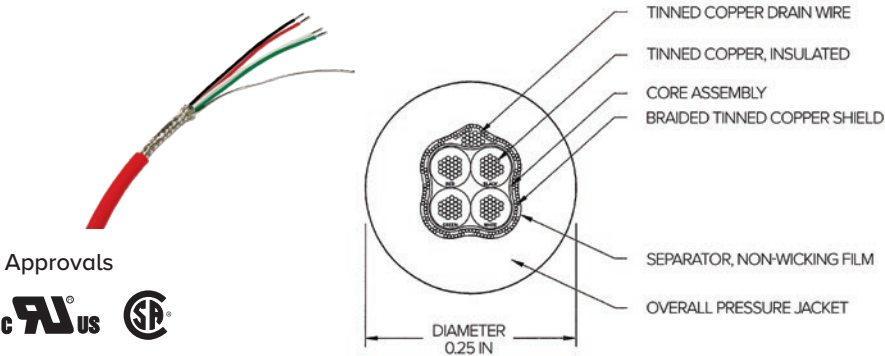


Part Number/Price

Part #	Description	Price
32817	EL147IS, blue jacket six-conductor	\$3.65/ft
72241	Blue jacket, shielded three-conductor, UL and CSA recognized	\$3.15/ft

EL146, 4 Wire

Standard Load Cell Cable



Approvals



Standard Features

EL146 Standard Cable

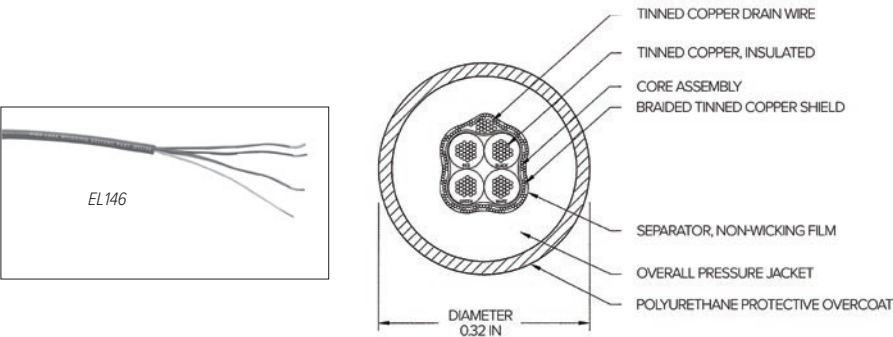
- Four-wire load cell cable
- 20 AWG tinned copper wire stranded for flexibility
- Braided shielding is encased in red PVC
- All conductors are industry-standard color-coded
- Diameter: 0.25 in
- Use the four-wire cable for repairing or extending existing cable
- Temperature rating:
 - 22 °F to 126 °F (-30 °C to 80 °C)

Part Number/Price

Part #	Continuous Roll	Description	Price
15505	100 ft	Four-conductor cable	\$155.00
15506	250 ft	Four-conductor cable	\$375.00
15507	500 ft	Four-conductor cable	\$725.00
15508	1,000 ft	Four-conductor cable	\$1,150.00
15493	Custom length	Four-conductor cable	\$1.65/ft

EL146HE, 4 Wire

Hostile Environment Load Cell Cable



Standard Features

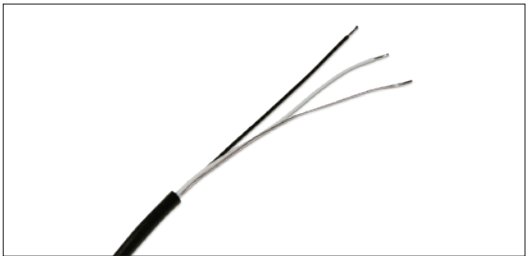
EL146HE Hostile Environment Cable

- Designed for use in hostile environments
- Polyurethane jacketing provides superior chemical and abrasion resistance
- RFI and EMI protected with foil overbraid shield
- Unmatched durability, yet extremely flexible
- All conductors are industry-standard color-coded
- Diameter: 0.32 in
- Temperature rating:
 - 22 °F to 176 °F (-30 °C to 80 °C)

Part Number/Price

Part #	Continuous Roll	Description	Price
15510	100 ft	Four-conductor hostile environment cable	\$195.00
15511	250 ft	Four-conductor hostile environment cable	\$465.00
15512	500 ft	Four-conductor hostile environment cable	\$875.00
15513	1,000 ft	Four-conductor hostile environment cable	\$1,750.00
15494	Custom Length	Four-conductor hostile environment cable	\$2.10/ft

EL144 Communications Cable



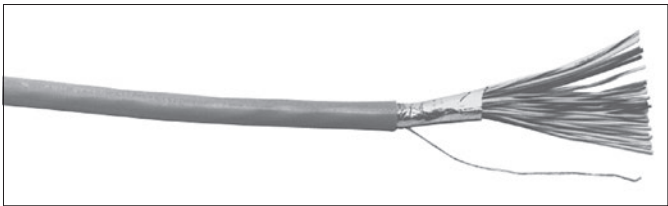
Standard Features

- Two-conductor with bare ground
- RFI/EMI protected with foil shield
- 20 gauge conductors
- Perfect for RS-232, two-wire RS-485 and 20 mA current loop communications
- Diameter: 0.19 in
- Conductor colors are black and white

Part Number/Price

Part #	Description	Price
32803	EL144	\$1.30/ft
72691	EL144, 100 ft	\$115.00
72072	EL144, 500 ft	\$495.00
72693	EL144, 1,000 ft	\$925.00

BCD Cable



Standard Features

- Sheathed in gray PVC
- Mylar aluminum foil shield with stranded tinned copper drain wire
- Diameter: 0.375 in

Part Number/Price

Part #	Description	Price
15497	BCD, 24 AWG, 30-conductor	\$35.00/ft

HARDWARE AND
ACCESSORIES

Fiber-optic Cable



Color Code: Black-TXD, Blue-RXD

Standard Features

- Duplex cable polyethylene black jacket material
- Plastic fiber core
- 4.4 + 0.10 mm outer diameter of duplex cable
- 2.2 + 0.007 mm single cable outer diameter
- Operating temperature: 32 °F to 158 °F (0 °C to 70 °C)

Part Number/Price

Part #	Description	Price
78910	Custom length	\$1.85/ft
78026	100 ft cable	\$185.00
78027	200 ft cable	\$350.00
78028	300 ft cable	\$447.00
83052*	Fiber-optic connector	\$55.00
80892	Fiber-optic cable cutter	\$15.00
85548	Fiber-optic hot knife	\$75.00

*Duplex fiber cable requires two connectors

SURVIVOR® EL620HE

High Temperature Cable



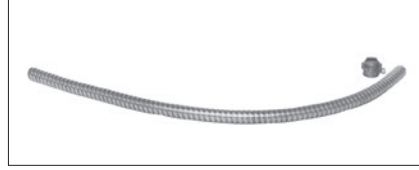
Standard Features

- Multi-conductor overall foil and braid shield
- Suitable for temperatures from -40 °C (-40 °F) to 200 °C (392 °F)
- Insulation thickness: 0.010 in
- Jacket thickness: 0.017 in
- 18 gauge, tinned copper conductors
- Six-conductor
- FEP jacket, resistant to chemical corrosion and high temperature
- Aluminum-polyester shield with 85% tinned copper braid shield
- 150 V NEC 725 Class 2 classified for use in an air plenum non-conduit
- 0.24 in diameter cable

Part Number/Price

Part #	Description	Price
15605	EL620HE	\$17.00/ft

SURVIVOR® Cable Armor



Standard Features

- Flexible all-metal protective armor
- Ideal for protecting load cell cable from mechanical abrasion or rodents
- Available in stainless steel and galvanized steel
- 0.5 in internal diameter, 2.0 in minimum bend radius
- Optional end fitting with 1/2 in male pipe thread

Part Number/Price

Part #	Description	Price
17808	Galvanized steel	\$4.75/ft
17806	Stainless steel	\$5.75/ft
17807	Optional end fitting	\$2.85 each

EL148HE Mettler Toledo®

Power Cell Replacement Cable



Standard Features

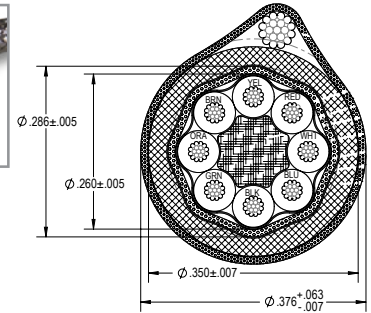
- 100% stainless steel military connector-electro deposited nickel plating with stainless banding and epoxy heat-shrink strain relief
- Stainless steel arctic ring precision cut for improved connection
- Textured rubber boot for additional grip
- Standard Mettler Toledo color code
- Compatible with Mettler Toledo Powercell CMOS/NMOS and MTX load cells. NOT compatible with Mettler Toledo PDX load cells.
- Custom lengths available

Part Number/Price

Part #	Cable Length Each	Price
100268	8 ft	\$395.00
101102	12 ft	\$415.00
104164	15 ft	\$395.00
100269	26 ft	\$435.00
100270	35 ft	\$450.00

Mettler Toledo® Power Cell®

Homerun Cable



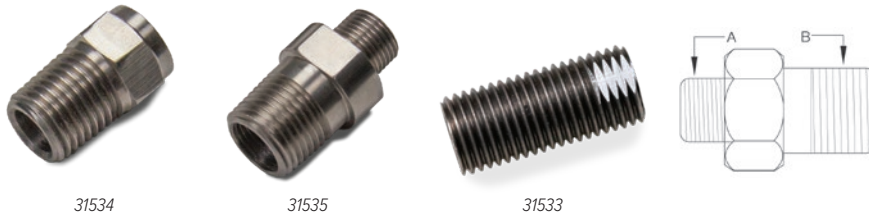
Standard Features

- Galvanized steel drain wire
- 20 gauge 8 conductors
- Stainless steel braid shield

Part Number/Price

Part #	Description	Price
194837	Galvanized steel	\$8.75/ft

Load Cell Conduit Adapters



Standard Features

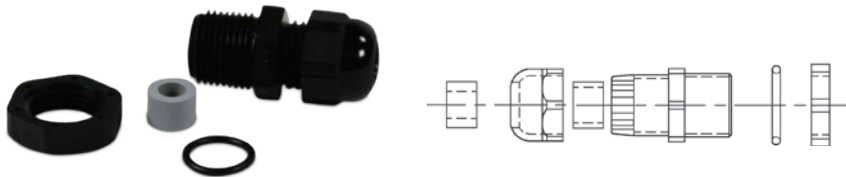
- Used to adapt conduit to load cells
- 303 stainless steel

Part Number/Price

Part #	A	B	Price
Thread-On			
31533	3/8-24 UNF	—	\$40.00
31534	—	1/4-18 NPT	\$40.00
31535	5/8-18 UNF	1/2-14 NPT	\$40.00

Note: 31533 and 31534 are used together to form male-to-male adapter

Cord Grip Assemblies



Standard Features

- Assemblies include cord grip, locknut, O-ring seal, gray and black reducer glands
- Fittings are made of weather- and corrosion-resistant nylon

Part Number/Price

Gland Cable Ranges					
Part #	Thread	Panel Hole Diameter	Regular (Black)	Reducer (Gray)	Price
15669	PCN9	0.625 in	0.157 to 0.314 in	0.118 to 0.236 in	\$5.50
15670	3/8 NPT	0.687 in	0.157 to 0.314 in	0.118 to 0.236 in	\$5.00
15671	1/2 NPT	0.844 in	0.236 to 0.472 in	0.200 to 0.354 in	\$5.75

HARDWARE AND
ACCESSORIES

EL214 Cable Splicing Kit



Standard Features

EL214

- Designed for a complete, professional transducer cable splice
- Prevents moisture from entering the load cell through the cable connector
- Each kit contains a high-impact plastic splicing box, liquid-tight cable fittings, circuit card, PTFE sleeving, pre-measured potting compound and complete instructions
- Solder terminals

Specifications

Dimensions:

(L × W × H)
3.00 × 1.00 × 1.50 in

Mounting Centers:

2.50 in

Number of Connections:

Seven

Cable Diameter:

0.187 to 0.312 in

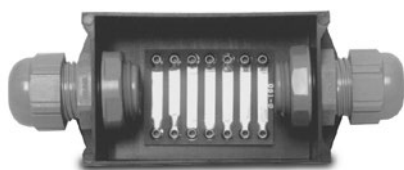
Cure Time For Potting:

Two hours at 73 °F (23 °C)

Part Number/Price

Part #	Description	Price
15485	EL214	\$155.00

EL214T Cable Splicing Kit



Standard Features

EL214T

- Designed to accommodate cables larger than the EL214; all other dimensions and performance features are the same
- Solder terminals

Specifications

Dimensions:

(L × W × H)
3.00 × 1.00 × 1.50 in

Mounting Centers:

2.50 in

Number of Connections:

Seven

Cable Diameter:

0.187 to 0.312 in

Cure Time For Potting:

Two hours at 73 °F (23 °C)

Part Number/Price

Part #	Description	Price
15486	EL214T	\$210.00

EL215 Cable Splicing Kit



Standard Features

- Designed for use in weather-exposed or direct-burial locations
- Each kit contains plastic splicing tube, circuit board, insulating resin and instructions
- Solder terminals

Specifications

Dimensions:

(L × W)
6.00 × 1.38 in

Number of Connections:

7

Cable Diameter:

Up to 0.75 in

Cure Time For Potting:

2 hours at 70 °F (21 °C)

Part Number/Price

Part #	Description	Price
15612	EL215	\$125.00

Flintec® Load Cell Cable

Replacement Kits



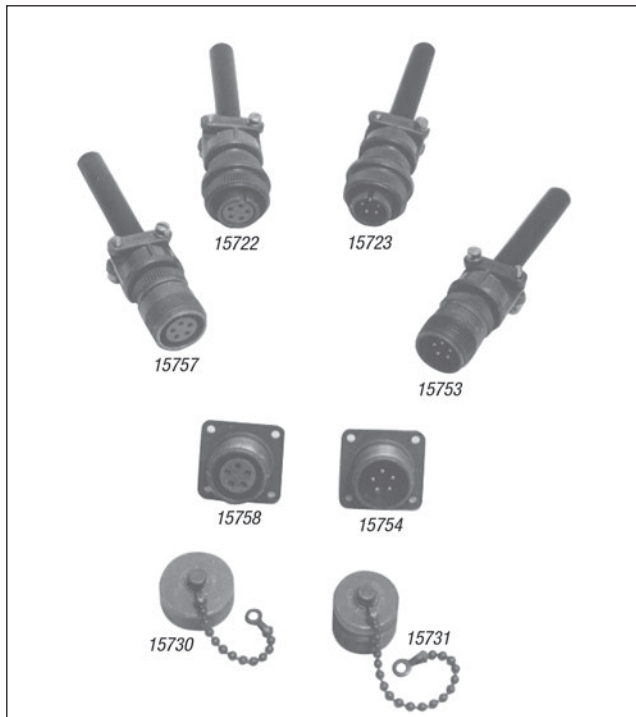
Standard Features

- Each kit includes cable for four Flintec SB4 load cells as listed

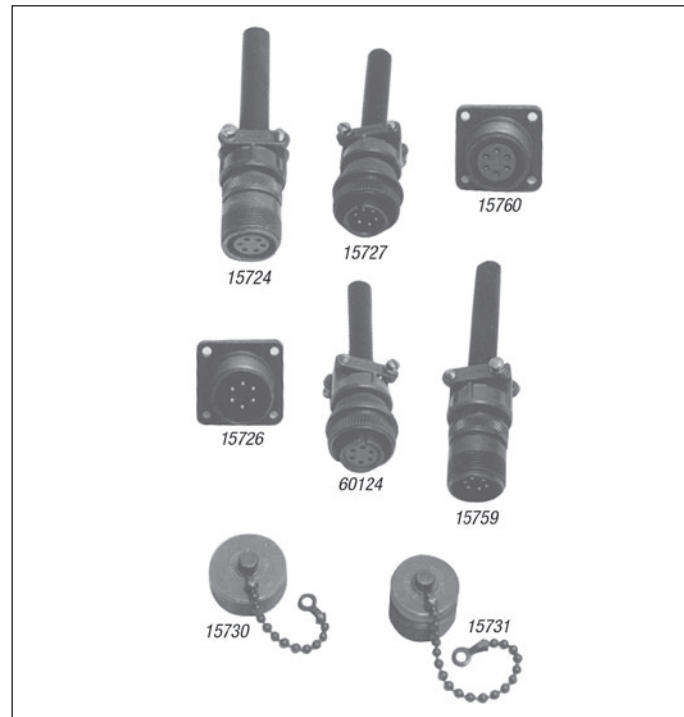
Part Number/Price

Part #	Description	Cable Length Ea. Feet	Price
18412	For SB4, 225 to 5,200 lb	10 ft	\$385.00
18413	For SB4, 11,250 to 22,500 lb	15 ft	\$415.00

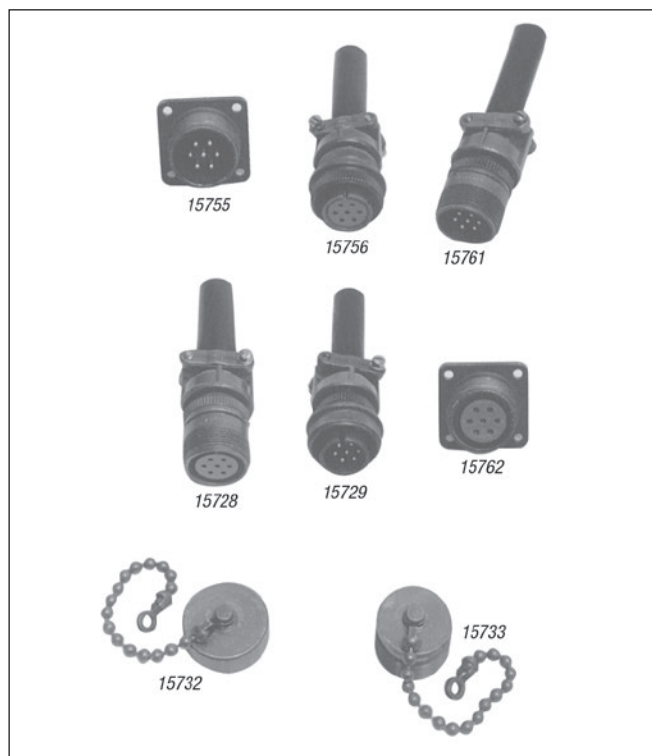
Five-Position Connectors, Shell Plugs, Receptacles



Six-Position Connectors, Shell Plugs, Receptacles



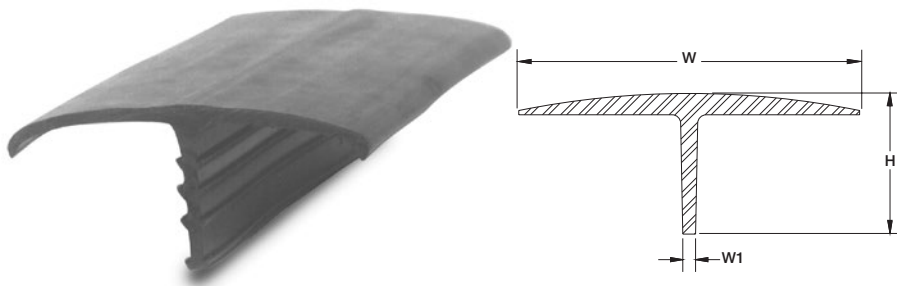
Seven-Position Connectors, Shell Plugs, Receptacles



Part Number/Price

Part #	Description	Price
15753	Five-pin, external thread	\$35.00
15722	Five-socket, internal thread	\$36.00
15723	Five-pin, internal thread	\$35.00
15757	Five-socket, external thread	\$40.00
15754	Five-pin chassis mount, external thread	\$40.00
15758	Five-socket chassis mount, external thread	\$26.00
15730	Dust cap for ext. thread five-position connector	\$17.00
15731	Dust cap for int. thread five-position connector	\$22.00
15759	Six-pin, external thread, male	\$35.00
60124	Six-socket, internal thread connector, female fits Toledo load cells, Condec indicators	\$30.00
15727	Six-pin, internal thread, male	\$34.00
15724	Six-socket, external thread	\$38.00
15726	Six-pin chassis mount, external thread	\$27.00
15760	Six-socket chassis mount, external thread	\$26.00
15730	Dust cap for ext. thread six-position connector	\$17.00
15731	Dust cap for int. thread six-position connector	\$22.00
15761	Seven-pin, external thread	\$36.00
15756	Seven-socket, internal thread	\$38.00
15729	Seven-pin, internal thread	\$38.00
15728	Seven-socket, external thread	\$38.00
15755	Seven-pin chassis mount, external thread	\$27.00
15762	Seven-socket chassis mount, external thread	\$30.00
15732	Dust cap for ext. thread seven-position connector	\$23.00
15733	Dust cap for int. thread seven-position connector	\$34.00

T-Grip Molding



Standard Features

T-Grip

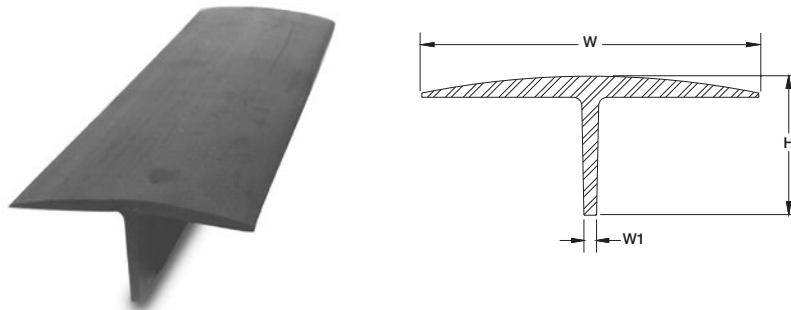
- Designed for use in truck scale applications to prevent spillover into the pit
- Impact, tear and weather-resistant EPDM rubber
- Barbed web to hold molding in place
- Web thickness 0.22 in
- Available by the foot: 10 ft, 11 ft, 70 ft, 80 ft and 100 ft lengths
- Maximum continuous length is 450 ft

Part Number/Price

Part #	H	W	W1	Length	Price
18799	2.56 in	5.75 in	0.22 in	Sold by the foot	\$13.00/ft
18800	2.56 in	5.75 in	0.22 in	10 ft	\$100.00
18801	2.56 in	5.75 in	0.22 in	11 ft	\$110.00
18802	2.56 in	5.75 in	0.22 in	70 ft	\$795.00
33219	2.56 in	5.75 in	0.22 in	80 ft	\$895.00
33222	2.56 in	5.75 in	0.22 in	100 ft	\$1,125.00

Note: Maximum continuous length is 450 ft. Call for price and availability.

T-Strip Molding



Standard Features

T-Strip

- Designed for use in truck scale applications to prevent spillover into the pit
- Impact, tear and weather-resistant SBR rubber
- Web thickness 0.25 in
- Available by the foot: 10 ft, 11 ft, 70 ft, 80 ft and 100 ft lengths
- Maximum continuous length is 450 ft

Part Number/Price

Part #	H	W	W1	Length	Price
18736	2.00 in	4.50 in	0.25 in	Sold by the foot	\$12.00/ft
18776	2.00 in	4.50 in	0.25 in	10 ft	\$95.00
18797	2.00 in	4.50 in	0.25 in	11 ft	\$105.00
18798	2.00 in	4.50 in	0.25 in	70 ft	\$695.00
33223	2.00 in	4.50 in	0.25 in	80 ft	\$825.00
33224	2.00 in	4.50 in	0.25 in	100 ft	\$1,025.00

Note: Maximum continuous length is 450 ft. Call for price and availability.

Electronic Scale Tickets

Standard Features

Hecon® Printers, EL522 & EL516 - 20266

- Triplicate interleaved
- Size (L × W): 7.875 × 4.25 in (200 × 127 mm)
- Order quantity: 500 per package
- Carbonless

20266

DATE _____	No. _____
SELLER _____	
BUYER _____	
ADDRESS _____	
CITY _____ STATE _____ ZIP _____	
	GROSS _____
	TARE _____
	NET _____
DRIVER ON <input type="checkbox"/> OFF <input type="checkbox"/> WEIGHED BY _____	
	FORM 510

Standard Features

SP2200, SP2000 - 20265

- Triplicate interleaved, perforated and glued on one end
- Size (W × L): 5.5 × 9 in (139.7 × 228.6 mm)
- Order quantity: 500 per package
- Carbonless

20265

ELECTRONIC SCALE TICKET		No. _____
DATE _____		
SELLER _____		
BUYER _____		
ADDRESS _____		
CITY _____ STATE _____ ZIP _____		
COMMODITY _____		
PRICE _____		
REMARKS _____		
DRIVER <input type="checkbox"/> ON <input type="checkbox"/> OFF _____		
WEIGHER _____		
Form ES-4		

Standard Features

Rice Lake Scales - 71630 or 105182

- Duplicate or triplicate
- Size (W × L): 4.25 × 7 in (107 × 177.8 mm)
- Attached at 4.25 side
- Order quantity: 500 per package
- Custom (duplicate): Add company name (min. order two packs)
- Custom (triplicate): Add company name (min. order two packs)
- Carbonless

Customer Name: _____
Driver On p Driver Off p
Customer Signature: _____
RICE LAKE WEIGHING SYSTEMS Rice Lake Scales and Weighing Systems

Standard Features

Blank Scale Ticket - 22263

- Triplicate
- White, canary yellow and pink
- Size (L × W): 5.50 × 4.25 in (140 × 108 mm)
- Attached at 4.25 edge
- Order quantity: 100 per package
- Custom: Add company name (min. order of 1,000)
- Carbonless

--

Part Number/Price

Part #	Description	Price
20266	Hecon printers, EL522 & EL516, 500/pack	\$110.40
20265	SP2200, SP2000, EL250 & EL500, 500/pack	\$114.00
71630	Rice Lake ticket, two part, 500/pack	\$60.00
105182	Rice Lake ticket, three part, 500/pack white, canary yellow, pink	\$86.50
22263	Blank scale ticket, 100/pack	\$25.00 each

HARDWARE AND
ACCESSORIES

Mechanical Scale Tickets

Standard Features

Fairbanks Scales® - 20260

- Carbonless triplicate with 2 in (50.8 mm) tear-off flap
- Size (W × L): 4.75 × 1.875 in (120.7 × 47.6 mm)
- Order quantity: 500 per package

WEIGHED ON A FAIRBANKS SCALES		No. _____
Load _____		Date _____
From _____		
Gross _____	lbs. _____	To _____
Tare _____	lbs. _____	Address _____
Net _____	lbs. _____	Price _____ Amt. _____
_____ On _____	Off _____	Weigher _____

Form 333A
Printed in U.S.A.

Received by _____

Standard Features

Howe Scales - 20261

- Carbon triplicate with 2 in (50.8 mm) tear-off flap
- Size (W × L): 5.5 × 1.75 in (139.7 × 44.5 mm)
- Order quantity: 500 per package

Weight obtained by using THE HOWE PATENTED RECORDING BEAM No. _____

From _____ To _____

Gross Load of _____

Tare Driver { On _____
Off _____

Fees _____ Date _____ 20 _____

_____ Net _____ Weigher _____

Part Number/Price

Part #	Description	Price
20260	Fairbanks Scales, 500/pack	\$78.00
20261	Howe Scales, 500/pack	\$78.00

Create Your Own Custom Ticket

Send us a copy of the existing custom format or drawing of a completely new one. Please specify number of carbon copies, dimensions, colors and text. Minimum order quantity may apply.

Printer Dust Covers



Protect your electronic scales, weight indicators and printers with a scale veil or printer dust cover.

Standard Features

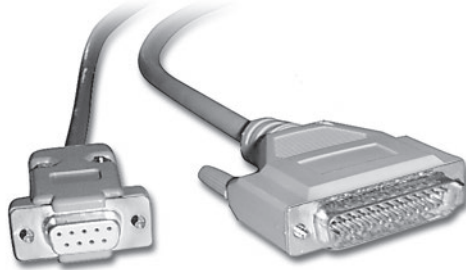
- Tough, flexible transparent vinyl, constructed with heavy-duty stitching
- Loose fit allows for operation of switches or controls through the dust cover
- Available for most types of scale equipment

Part Number/Price

Part #	Model	Price
EPSON®		
29582	TM290/295	\$58.00
35666	TM-U200 TM-U220	\$63.00
111840	TM-U590	\$69.00
Oki-Data®		
21208	Oki-Data 184 Turbo Printer	\$65.00
21226	Oki-Data 320/390	\$65.00

Custom covers and specials available; consult factory.

Printer Cables



72440



156806 (1m)

156807 (3m)

156808 (5m)

Part Number/Price

Part #	Description	Price
Interface Cables for TicketPress, SP-2200, TM-U295, TM-U590 and Star® Printers		
15547	Blunt end, 25-pin D-sub male RS-232 serial interface cable	\$70.00
15548	25-pin D-sub male to 25-pin D-sub male 20 mA serial interface cable (SP2200 only)	\$70.00
15568	25-pin D-sub male to 25-pin D-sub male RS-232 serial interface cable	\$70.00
Consult	Custom 20 mA/RS-232 serial interface cable	\$95.00
Interface Cables for I-Class		
15547	Blunt end, 25-pin D-sub male RS-232 serial interface cable	\$70.00
Consult	Custom RS-232 interface cable	\$95.00
Interface Cables for Desktops, GoDEX Models, Zebra, E-4203 and M-4206		
41276	DB9 male RS-232 cable to blunt end	\$77.00
Straight Cable		
70056	DB9 male to DB9 female	\$40.00
50749	DB9 female to DB9 female	\$60.00
41279	DB25 male to DB9 male	\$70.00
72440	DB25 male to DB9 female	\$67.00
Null Modem Cable		
66535	DB9F to DB9 female, Null modem	\$48.00
64794	DB9 male to DB9 female	\$69.00
USB Cable		
79074	USB-A (male) to USB-B (male) cable, 6 ft	\$35.00
156806	USB-A (male) to USB-A (male) cable, 1 m	\$35.00
156807	USB-A (male) to USB-A (male) cable, 3 m	\$50.00
156808	USB-A (male) to USB-A (male) cable, 5 m	\$60.00
156809	USB-A (male) to USB-B (male) cable, 1 m	\$55.00
156815	USB-A (male) to USB-B (male) cable, 3 m	\$55.00
156811	USB-A (male) to USB-B (male) cable, 5 m	\$70.00
Ethernet Cable/RJ45		
72697	RJ45 to RJ45, 7 ft	\$40.00
78860	RJ45 to RJ45, cross over 7 ft	\$40.00
75594	RJ45 to nine-pin female	\$70.00
156817	RJ45, 1 m	\$35.00
156818	RJ45, 3 m	\$42.00
156821	RJ45, 5 m	\$50.00
Misc. Cables and Adapters		
22436	Blunt end, nine-pin D-sub female	\$70.00
130213	Blunt end DB25 male	\$58.00
165698	Female to male gender changer	\$11.25
119064	Slimline, Null modem gender changer, DB9 female/female	\$12.50
130789	Null modem DB9 M/F	\$14.50

Blunt-end cables interface to: UMC444, UMC555, UMC600, IQ700, IQ plus® 310A, IQ plus® 355, IQ plus® 390-DC, IQ plus® 510, IQ plus® 590-DC, IQ plus® 710, IQ plus® 800, and IQ plus® 810, 520 and 920i®

Custom cables are designed to interface with your specific equipment. Please specify equipment model number and connector type. Standard cable length is 5 ft.



156817 (1m)

156818 (3m)

156821 (5m)

HARDWARE AND
ACCESSORIES

Static Brushes



Part #	Staticmaster Part #	Description	Price
76669	1C200	Static brush 1 in	\$140.00
76670	1C200R	Replacement cartridge	\$90.00



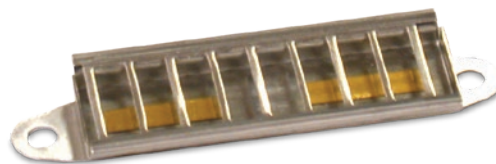
Part #	Staticmaster Part #	Description	Price
76671	3C500	Static brush 3 in	\$210.00
76672	3C500R	Replacement cartridge	\$145.00

Ionizing Strips



Part #	Staticmaster Part #	Description	Price
76677	1U400	Ionizing unit 1 x 1 in 500 microcurries	\$250.00
76678	1U200	Ionizing unit 1 x 1 in 250 microcurries	\$150.00
76676	2U500	Ionizing unit 1 x 3 in	\$250.00

Ionizing Strip Accessories



Part #	Staticmaster Part #	Description	Price
76679	BF1	Ionizer positioner	\$73.00
76680	BF2	Ionizer positioner only - C bracket	\$105.00

Desiccants



Standard Features

- Packets
- Bagged desiccants to protect your enclosed electronic components from moisture and humidity
- Useful in junction boxes, indicators and all scale electronics

Part Number/Price

Part #	Description	Price
16038	Mini Pax® 7 g	\$1.30
16039	NatraSorb® 20 g	\$2.30
92240	Silica gel 1 unit pkg 3 g	\$1.20

Industrial Corrosion Inhibitor



Standard Features

- Special chemical combination provides superior protection
- Protects 5 cubic ft/1.4 cubic m of enclosure volume for approximately one year
- Dimensions: (W x H) 2.5 x 1.5 in (64 x 38 mm)

Part Number/Price

Part #	Description	Price
16037	Corrosion inhibitor	\$45.00

Crimper and Lead Seals



Part Number/Price

Part #	Description	Price
21111	Crimper and two die blanks	\$155.00
15318	Crimper die blank (replacements)	\$67.00
15317	100 seals/pkg	\$60.00

Standard Features

Crimper

- 5.0 in (127 mm) seal press with two 0.5 in (13 mm) engraving dies
- Chrome finish
- Maximum number of characters that can be engraved on die is nine
- Compound leverage
- Quick delivery on custom dies

Lead Seals

- Heavy-duty seal with galvanized steel wire
- Length 16.0 in (406 mm)

Static Control Table Mat and Floor Mat



An absolute must for every workbench, this kit includes a 3-layer 2 × 4 ft table mat, 4 × 6 ft floor mat, ground cord and adjustable wrist strap. Designed specifically for energized circuit work, the static control table and floor mat provide superior protection against ESD.

Part Number/Price

Part #	Description	Price
34265	Static control table mat and floor mat	\$925.00

Static Control Wrist Strap



The single most important personal accessory for protecting ESD sensitive components and circuits, this wrist strap protects against charges from the body. The wrist strap consists of a comfortable elastic cuff or band and a detachable conductive cord for grounding the wrist band.

Part Number/Price

Part #	Description	Price
34263	Static control wrist strap	\$62.00

Static Shielding Bags



This static shield bag offers total ESD protection, whether you're transporting ESD-susceptible products across the room or across the country. The outer layer of the bag consists of an abrasion-resistant polyester, while the antistatic polyethylene inner layer retards triboelectric static charging from inside the bag.

Part Number/Price

Part #	Description	Price
16150	Static shielding bags, 8 × 10 in	\$1.20 each
16151	Static shielding bags, 12 × 18 in	\$3.50 each

Static-safe Service Kit



Standard Features

- Eliminates static for safe board replacement
- Connects a field service technician and the static-safe work surface to the same ground point
- Harmlessly drains static charges from the body and from any conductive objects placed on the mat
- Folds into a compact unit for transport and storage

Part Number/Price

Part #	Description	Price
32818	Static-safe service kit	\$215.00

Rice Lake's Scale Technician Kits

Take Rice Lake's commitment to customer service into the field. Rice Lake's Scale Technician Kit has everything you need in one convenient backpack to troubleshoot and repair wherever you are.

PN 166205

Technician Tool Kit \$1,050.00

- Rice Lake backpack
- Simulator with vernier
- Digital volt meter
- Communication Kit



PN 166204

Communication Kit \$175.00

- Cinch sack
- Document Kit
- Six-in-one screwdriver
- Small RLWS screwdriver
- Test LEDs
- USB to serial converter
- DB9M to DB9F straight cable
- DB9F to blunt end cable
- DB25M to blunt end cable
- Female to female DB9 null modem adapter
- Female to male DB9 gender changers
- Null modem adapter
- TCP/IP patch cable
- TCP/IP crossover cable



PN 166203

Document Kit \$10.50

- Pinouts for a DB9 and DB25 cable shows both male and female connectors
- Pinouts and color codes for a patch and crossover Ethernet cable
- Recommended maximum cabling distances of RS-232, 20mA, 485 and Ethernet TCP/IP
- Standard ASCII chart in both decimal and hexadecimal
- Links to website to download latest version of Revolution® and iRev® (on CD)
- Link to freeware terminal program download (PUTTY, Hercules, RealTerm, etc.)
- Load cell color wire chart
- Weigh Modules and Vessel Weighing Handbook PN 43918
- Load Cell and Weigh Module Handbook PN 22054



PN 118432

Small Screwdriver \$4.00



Junction Boxes / Simulators

TABLE OF CONTENTS

Junction Boxes / Simulators	363
JB4SS	364
<i>TuffSeal® Signal Trim Junction Box</i>	
JB4ES.....	365
<i>TuffSeal® Excitation Trim Junction Box</i>	
JB4SP and JB4SPT	366
<i>TuffSeal® Signal Trim Junction Box</i>	
JB4EP and JB4EPT	367
<i>TuffSeal® Excitation Trim Junction Box</i>	
EL204	368
<i>Signal Trim Junction Box</i>	
EL504	369
<i>Signal Trim Junction Box</i>	
JB8SP	370
<i>TuffSeal® Signal Trim Junction Box</i>	
JB8SPT	371
<i>TuffSeal® Signal Trim Junction Box</i>	
EL304A.....	372
<i>Signal Trim Junction Box</i>	
JB1010T	373
<i>Signal/Excitation Trim Junction Box</i>	
JB1010ST	374
<i>Signal Trim Junction Box</i>	
Replacement Junction Boxes, Boards or Components.....	375
iQUBE2®	376
<i>Digital Diagnostic Junction Box</i>	
iQUBE3	378
<i>Digital Diagnostic Junction Box</i>	
EL168	380
<i>1-Cell Junction Splice Box</i>	
TP75 DC.....	380
<i>Transient Protection</i>	
UJB3T6 DC.....	381
<i>Transient Protection</i>	
TP232	382
Ranger 1.....	382
<i>Variable Range Simulator</i>	
Ranger 3.....	383
<i>Variable Range Simulator</i>	
Ranger 5.....	383
<i>Variable Range Simulator</i>	
Ranger 7.....	384
<i>Variable Range Simulator</i>	
Transducer Simulator 4	384

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JB4SS

TuffSeal® Signal Trim Junction Box



Approvals



Part Number/Price

Part #	Description	Price
88956	JB4SS signal trim junction box with PG7 cord grips for load cells	\$295.00
107700	JB4SS signal trim junction box with PG9 cord grips for load cells	\$310.00
88958	Board only	\$175.00
182990	Board only with standoffs	\$180.00
165271	Enclosure only (includes cord grips and filter)	\$150.00

Note: Do not mix junction box models or use other brands of junction boxes with Rice Lake junction boxes. There is a risk of system instability.

Dimensions

JB4SS			
A	2.30 in	E	6.55 in
B	3.80 in	F	0.25 in (4)
C	5.75 in	G	1.60 in
D	4.00 in		

Standard Features

- Stainless steel, NEMA Type 4X enclosure
- Jumpers to enable/disable a load cell
- PreVent™ breather vent
- Conformal coated circuit board
- Connect two, three or four single cells
- Expansion port

Applications

- Floor, tank, hopper scales

Specifications

Cable Fittings:

P/N 88956:

- (4) PG7 0.118 to 0.255 in strain relief
- (2) PG11 0.197 to 0.394 in strain relief

P/N 107700:

- (4) PG9 0.138 to 0.315 in strain relief
- (2) PG11 0.197 to 0.394 in strain relief

Rating/Material:

NEMA Type 4X
Stainless steel

Connectors:

Spring clamp screwless, 12 to 28 AWG

Trimming:

Individual cell, signal trim

Temperature:

Operating:
0 °F to 122 °F (-18 °C to 50 °C)

Potentiometers:

100,000 ohm, 25-turn cermet

Circuit Board:

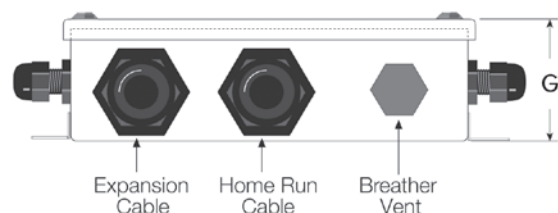
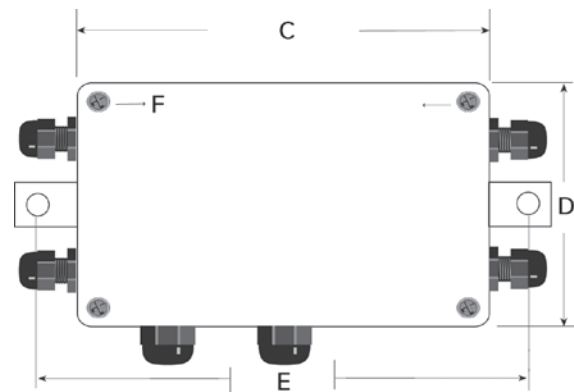
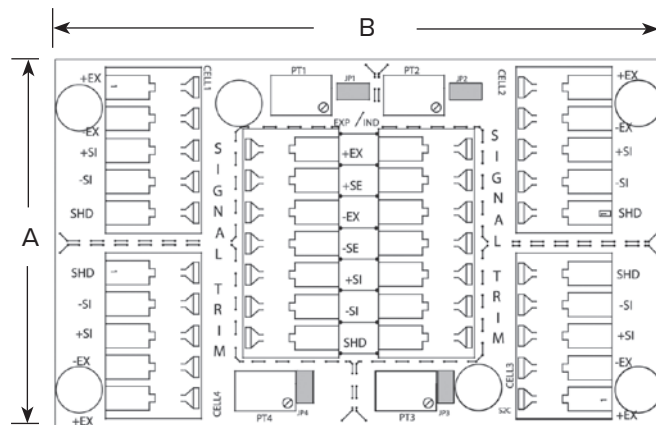
3.8 × 2.3 in, with conformal coating

Warranty:

One-year limited

Approvals:

cFMus





Approvals



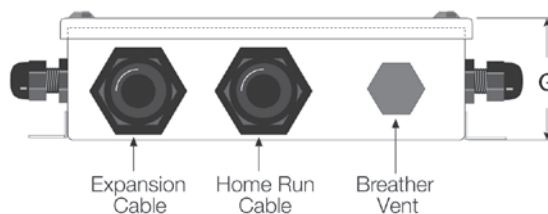
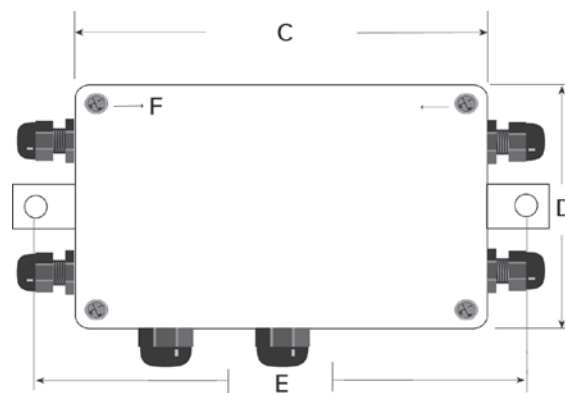
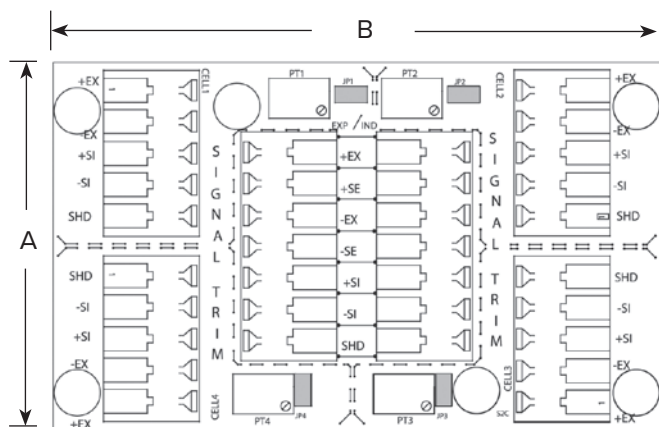
Part Number/Price

Part #	Description	Price
91779	JB4ES excitation trim junction box	\$295.00
89446	Board only	\$170.00
165271	Enclosure only (includes cord grips and filter)	\$150.00

Note: Do not mix junction box models or use other brands of junction boxes with Rice Lake junction boxes. There is a risk of system instability.

Dimensions

JB4ES			
A	2.30 in	E	6.55 in
B	3.80 in	F	0.25 in (4)
C	5.75 in	G	1.60 in
D	4.00 in		



Standard Features

- Jumpers to enable/disable a load cell
- PreVent™ breather vent
- Conformal-coated circuit board
- Connect two, three or four single load cells
- Expansion port

Applications

- Floor, tank, hopper scales

Specifications

Cable Fittings:

- (4) PG7 0.118 to 0.255 in strain relief
- (2) PG11 0.197 to 0.394 in strain relief

Rating/Material:

- NEMA Type 4X
- Stainless steel

Connectors:

- Spring clamp screwless, 12 to 28 AWG

Trimming:

- Individual cell, excitation trim

Temperature:

- Operating:
- 0 °F to 122 °F (-18 °C to 50 °C)

Potentiometers:

- 100 ohm, 25-turn cermet

Circuit Board:

- 3.8 × 2.3 in, with conformal coating

Warranty:

- One-year limited

Approvals:

- cFMus

JB4SP and JB4SPT

TuffSeal® Signal Trim Junction Box



Approvals



PN 92762

Not FM approved



Standard Features

- Jumpers to enable/disable a load cell
- PreVent™ breather vent
- Conformal coated circuit board
- Connect two, three or four single load cells
- Expansion port

Applications

- Tank and hopper scales

Specifications

Cable Fittings:

- (4) PG7 0.118 to 0.255 in strain relief
- (2) PG11 0.197 to 0.394 in strain relief

Rating/Material:

- NEMA Type 4X
- Polycarbonate with overlapping solid cover, stainless steel screws

Connectors:

- Spring clamp screwless, 12 to 28 AWG

Trimming:

- Individual cell, signal trim

Temperature:

- Operating: 0 °F to 122 °F (-18 °C to 50 °C)

Potentiometers:

- 100,000 ohm, 25-turn cermet

Circuit Board:

- 3.8 × 2.3 in, with conformal coating

Warranty:

- One-year limited

Approvals:

- cFMus

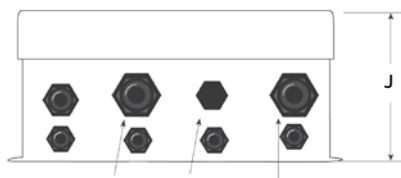
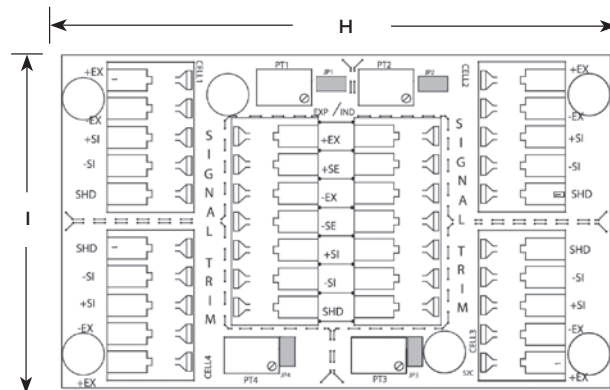
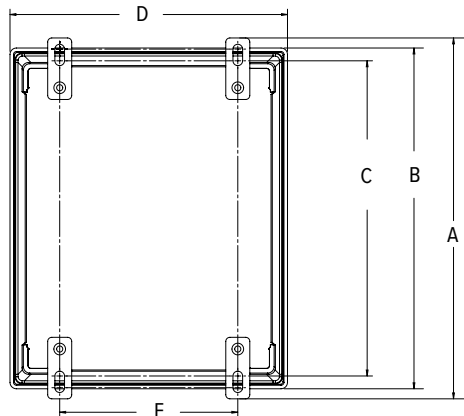
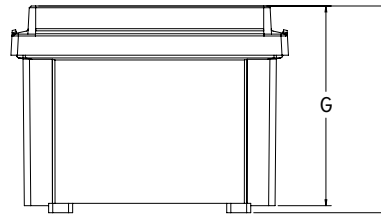
Part Number/Price

Part #	Description	Price
91780	JB4SP signal trim four-channel with expansion	\$310.00
92762	JB4SPT signal trim with transient protection (not FM approved)	\$495.00
88958	Board only	\$175.00
88994	Transient board	\$235.00
165272	Enclosure only (does not include cord grips and filter)	\$145.00

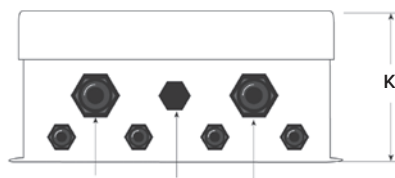
Note: Do not mix junction box models or use other brands of junction boxes with Rice Lake junction boxes. There is a risk of system instability.

Dimensions

JB4SP and JB4SPT					
A	10.04 in	E	4.00 in	I	2.30 in
B	9.52 in	F	5.95 in	J	5.95 in
C	8.50 in	G	5.71 in	K	5.95 in
D	7.43 in	H	3.80 in		



JB4SPT



JB4SP

JUNCTION BOXES /
SIMULATORS

JB4EP and JB4EPT

TuffSeal® Excitation Trim Junction Box

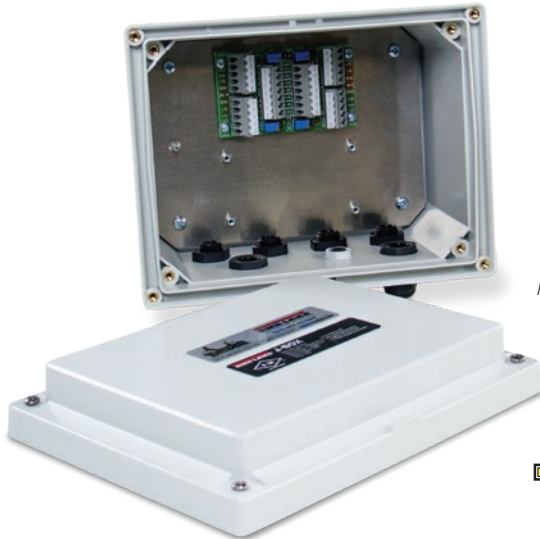


Photo of JB4EP

Approvals



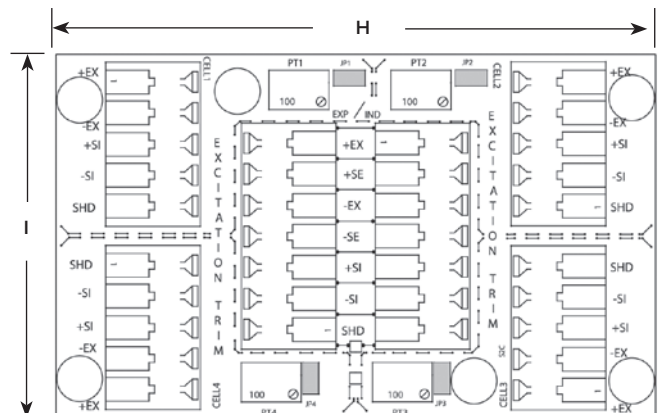
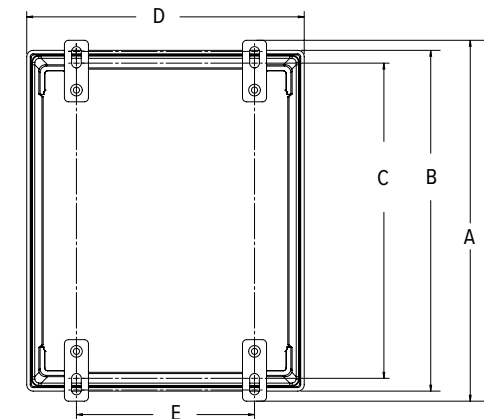
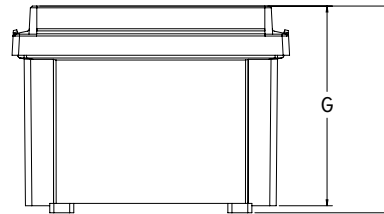
Part Number/Price

Part #	Description	Price
91781	JB4EP excitation trim junction box	\$310.00
92763	JB4EPT excitation trim junction box with transient protection	\$495.00
89446	Board only	\$170.00
89894	Transient board	\$235.00
165272	Enclosure only (does not include cord grips or filter)	\$145.00

Note: Do not mix junction box models or use other brands of junction boxes with Rice Lake junction boxes. There is a risk of system instability.

Dimensions

JB4EP and JB4EPT					
A	10.04 in	E	4.00 in	I	2.30 in
B	9.52 in	F	5.95 in	J	5.95 in
C	8.50 in	G	5.71 in	K	5.95 in
D	7.43 in	H	3.80 in		



JB4EPT



JB4EP

Load Cell
Cord Grips
on Bottom

Standard Features

- Jumpers to enable/disable a load cell
- PreVent™ breather vent
- Conformal -coated circuit board
- Connect two, three or four single load cells
- Expansion port

Applications

- Tank and hopper scales

Specifications

Cable Fittings:

- (4) PG7 0.118 to 0.255 in strain relief
- (2) PG11 0.197 to 0.394 in strain relief

Rating/Material:

- NEMA Type 4X
- Polycarbonate with overlapping solid cover, stainless steel screws

Connectors:

- Spring clamp screwless, 12 to 28 AWG

Trimming:

- Individual cell, excitation trim

Temperature:

- Operating:
0 °F to 122 °F (-18 °C to 50 °C)

Potentiometers:

- 100 ohm, 25-turn cermet

Circuit Board:

- 3.8 × 2.3 in, with conformal coating

Warranty:

- One-year limited

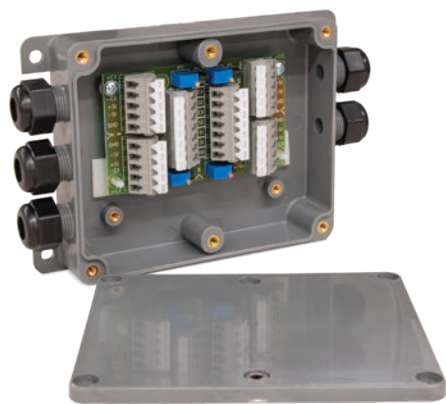
Approvals:

- cFMus

JUNCTION BOXES /
SIMULATORS

EL204

Signal Trim Junction Box



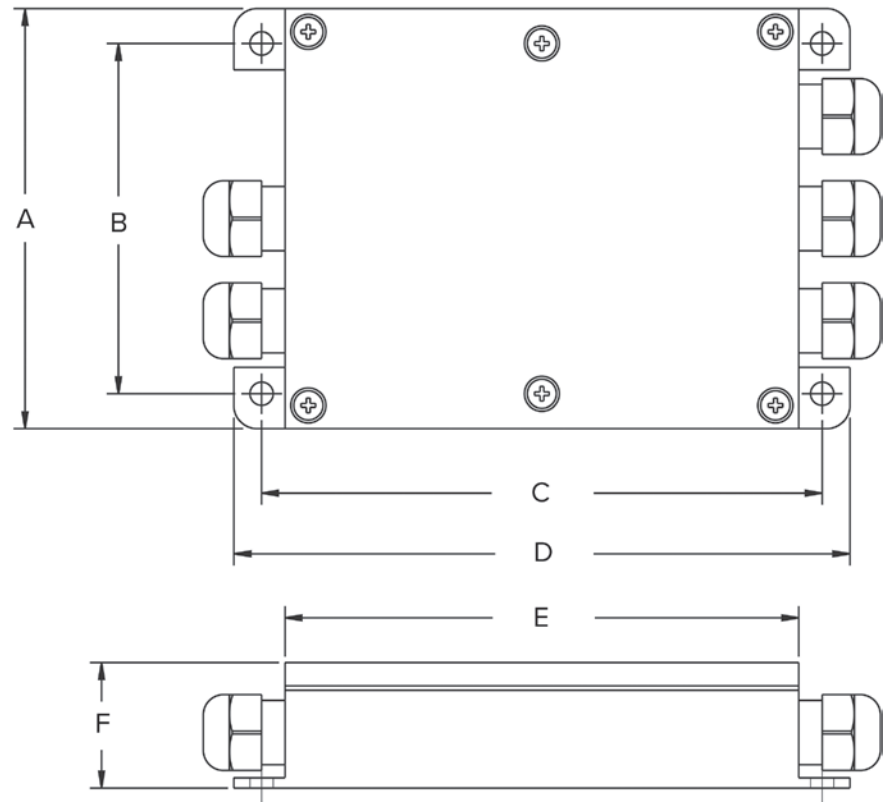
Part Number/Price

Part #	Description	Price
73428	EL204 junction box	\$245.00
88958	Board only	\$175.00

Note: Do not mix junction box models or use other brands of junction boxes with Rice Lake junction boxes. There is a risk of system instability.

Dimensions

EL204			
A	4.50 in	D	6.59 in
B	3.75 in	E	5.50 in
C	6.00 in	F	1.34 in



Standard Features

- ABS enclosure with molded-in cable fittings
- Connect two, three or four single load cells

Applications

- Floor, hopper, tank or livestock applications

Specifications

Cable Fittings:

Five water tight nylon compression fittings, 0.210 × 0.280 in

Enclosure:

ABS with molded through-fittings, sealed six-screw lid

Connectors:

Spring clamp screwless, 12 to 28 AWG

Trimming:

Individual cell, signal trim

Temperature:

Operating: 0 °F to 122 °F (-18 °C to 50 °C)

Potentiometers:

100,000 ohm, 25-turn cermet

Circuit Board:

3.8 × 2.3 in, with conformal coating

Warranty:

One-year limited



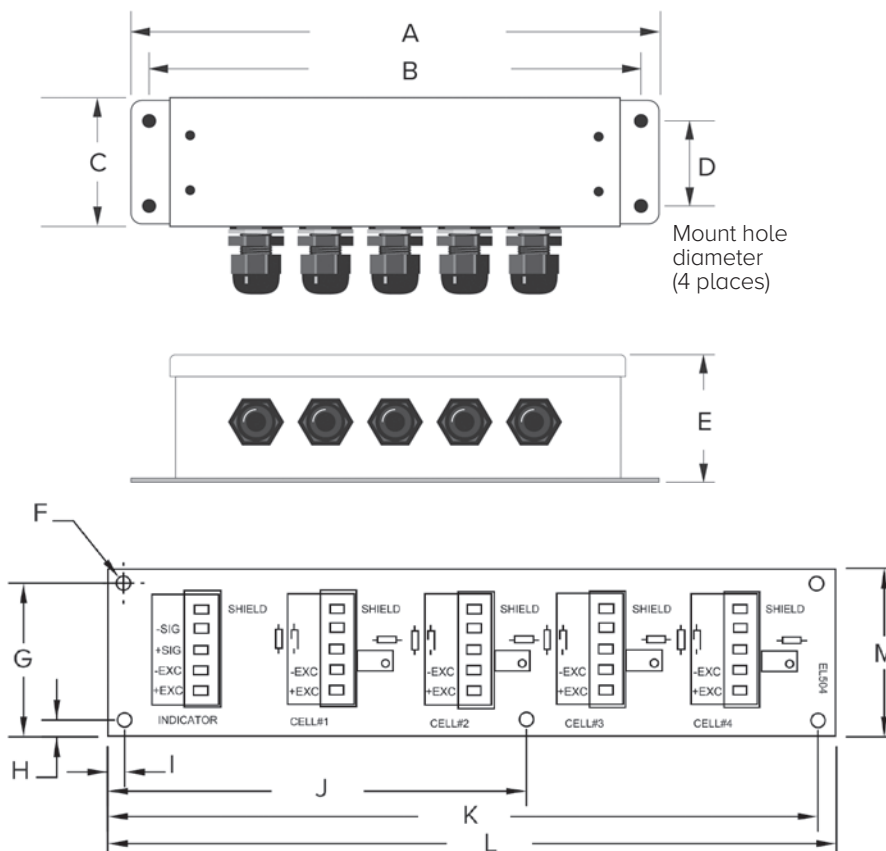
Part Number/Price

Part#	Description	Price
21165	EL504 signal trim junction box	\$425.00
21296	Board only	\$275.00
165274	Enclosure only (includes cord grips and cover)	\$175.00

Note: Do not mix junction box models or use other brands of junction boxes with Rice Lake junction boxes. There is a risk of system instability. Any unused channels require modification.

Dimensions

EL504					
A	9.50 in	F	0.14 in thru type	K	6.33 in
B	8.80 in	G	1.37 in	L	6.50 in
C	2.40 in	H	0.15 in	M	1.50 in
D	1.50 in	I	0.15 in		
E	2.30 in	J	3.73 in		



Standard Features

- Strain relief cable fittings
- Removable connectors for easy wiring
- Connect two or four single load cells (even number of load cells only)

Applications

- Truck and floor scales
- Limited space installations

Specifications

Cable Fittings:

Five nylon 0.187 to 0.312 in cable strain reliefs

Rating/Material:

NEMA Type 4X, 40 psi washdown
Stainless steel

Connectors:

Electrovert 0.197 in (5.0 mm) miniature two piece connectors. Maximum wire size #14 AWG; connectors are removable for easy wiring.

Trimming:

Individual cell, signal trim

Temperature:

Operating:
0 °F to 122 °F (-18 °C to 50 °C)

Potentiometers:

100,000 ohm, 25-turn cermet

Circuit Board:

6.5 × 1.5 in, with anti-fungal coating

Warranty:

One-year limited

JB8SP

TuffSeal® Signal Trim Junction Box



Approvals



Part Number/Price

Part #	Description	Price
91782	JB8SP signal trim eight-channel with expansion	\$495.00
173807	JB8SP signal trim eight-channel with expansion, FM approved	\$525.00
89889	Board only	\$395.00
172415	Board only, FM approved	\$425.00
165273	Enclosure only (does not include cord grips and filter)	\$175.00

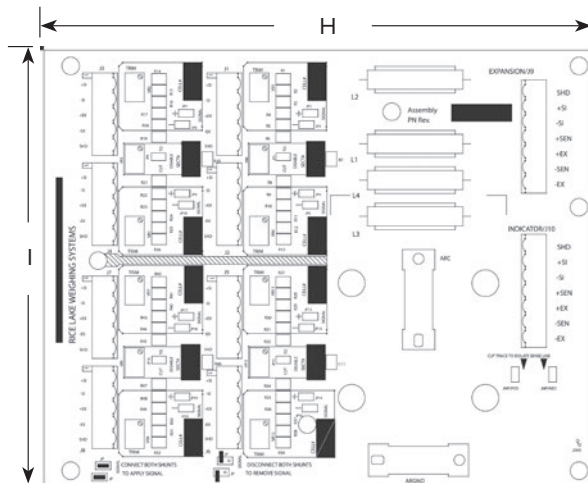
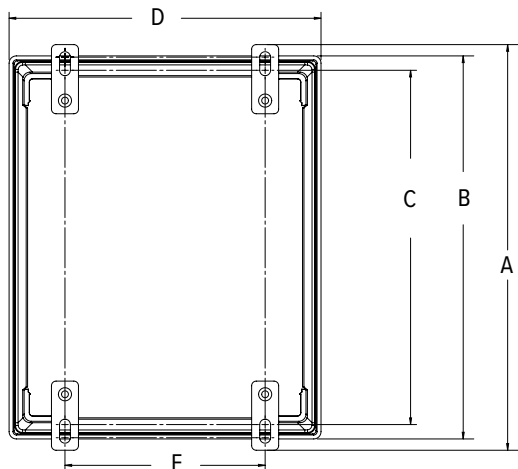
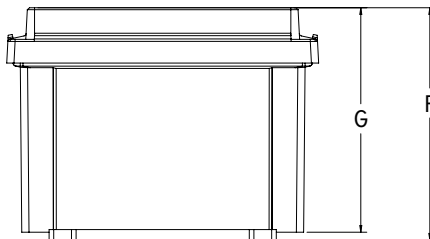
Note: Do not mix junction box models or use other brands of junction boxes with Rice Lake junction boxes. There is a risk of system instability.

Options/Accessories

Part #	Description	Price
215178	Mounting tabs-new style (set of 4, includes screws), polycarbonate	\$15.00
92734	Coupling, 1/2-in NPT cord grip to 3/4-in NPT conduit fitting	\$27.00
92735	Coupling, 3/8-in NPT cord grip to 3/4-in NPT conduit fitting	\$27.00

Dimensions

JB8SP			
A	12.13 in	F	5.98 in
B	11.45 in	G	6.95 in
C	11.38 in	H	7.20 in
D	10.59 in	I	5.70 in
E	9.32 in		



Standard Features

- Polycarbonate, NEMA Type 4X enclosure
- PreVent™ breather vent
- Conformal-coated circuit board
- Removable load cell connectors
- Section and individual cell trim capability
- Connect two, four, six or eight single load cells (even number of cells only)
- Expansion port

Applications

- Truck, livestock and railroad scales

Specifications

Cable Fittings:

- (9) 3/8 in NPT 0.157 to 0.314 in
- (2) 1/2 in NPT 0.272 to 0.472 in

Rating/Material:

NEMA Type 4X
Polycarbonate with overlapping solid cover, stainless steel screws

Connectors:

Pluggable screw type, 12 to 28 AWG

Trimming:

Individual cell, range trim

Temperature:

Operating:
0 °F to 122 °F (-18 °C to 50 °C)

Potentiometers:

100,000 ohm, 25 turn cermet

Circuit Board:

5.7 × 7.2 in with conformal coating

Warranty:

One-year limited

Approvals:

cFmus



Part Number/Price

Part #	Description	Price
91783	JB8SPT signal trim junction box with transient protection	\$700.00
89889	Board only	\$395.00
89894	Transient board	\$235.00
165273	Enclosure only (does not include cord grips and filter)	\$175.00

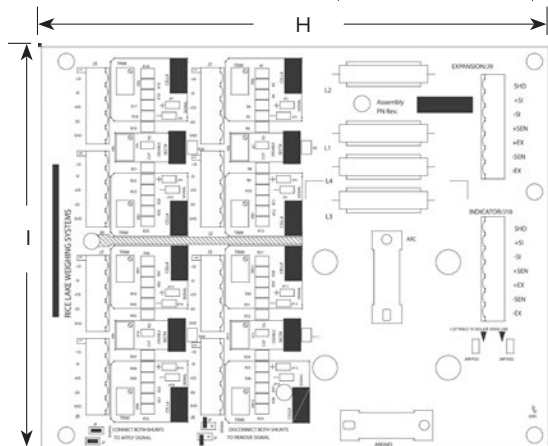
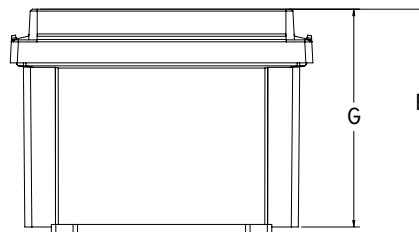
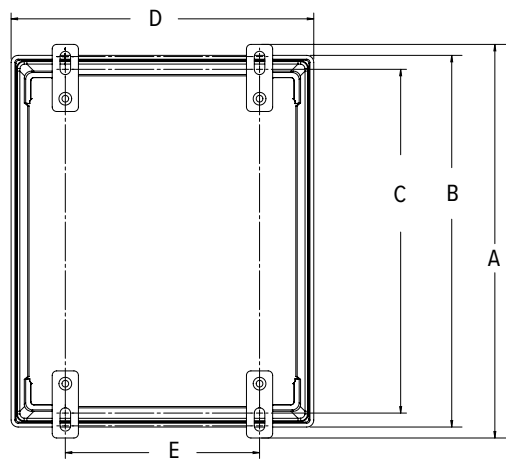
Note: Do not mix junction box models or use other brands of junction boxes with Rice Lake junction boxes. There is a risk of system instability.

Options/Accessories

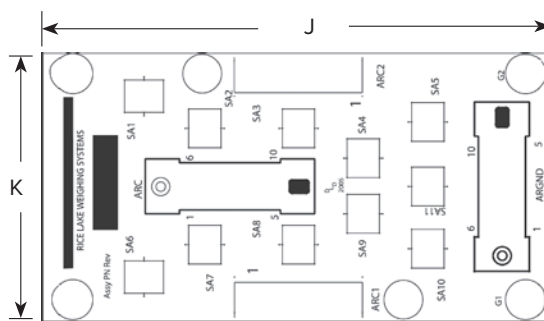
Part #	Description	Price
215178	Mounting tabs-new style (set of 4, includes screws), polycarbonate	\$15.00
92734	Coupling, 1/2-in NPT cord grip to 3/4-in NPT conduit fitting	\$27.00
92735	Coupling, 3/8-in NPT cord grip to 3/4-in NPT conduit fitting	\$27.00

Dimensions

JB8SP	
A	12.13 in
B	11.45 in
C	11.38 in
D	10.59 in
E	9.32 in
F	5.98 in
G	6.95 in
H	7.20 in
I	5.70 in
J	3.80 in
K	2.30 in



Load Cell Board



Transient Board

Standard Features

- Transient protection
- PreVent™ breather vent
- Conformal-coated circuit board
- Removable load cell connectors
- Section and individual cell trim capability
- Field replaceable transient protection
- One coupling, 0.5 inch NPT cord grip to 0.75-inch NPT conduit fitting for homerun cable
- Connect two, four, six or eight single load cells (even number of cells only)
- Expansion port

Applications

- Truck, livestock and railroad scales

Specifications

Cable Fittings:

- (9) 3/8 in NPT 0.157 to 0.314 in
- (2) 1/2 in NPT 0.272 to 0.472 in

Rating/Material:

NEMA Type 4X
Polycarbonate with overlapping solid cover, stainless steel screws

Connectors:

Pluggable screw type, 12 to 28 AWG

Trimming:

Individual cell trim

Temperature:

Operating:
0 °F to 122 °F (-18 °C to 50 °C)

Potentiometers:

100,000 ohm, 25-turn cermet

Circuit Board:

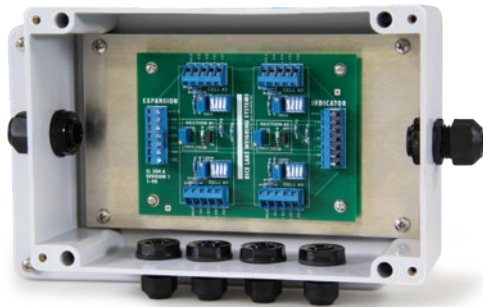
5.7 × 7.2 in with conformal coating

Warranty:

One-year limited

EL304A

Signal Trim Junction Box



Part Number/Price

Part #	Description	Price
21169	EL304A signal trim four-channel junction box	\$350.00
21301	Board only	\$235.00
165275	Enclosure only (includes cord grips)	\$180.00

Note: Do not mix junction box models or use other brands of junction boxes with Rice Lake junction boxes. There is a risk of system instability.

Dimensions

EL304A			
A	5.50 in	D	6.62 in
B	4.00 in	E	1.38 in
C	9.88 in	F	3.25 in

Standard Features

- Strain relief cable fittings
- Individual cell signal disconnect switches
- Connect two or four single cells (even number of cells only)
- Corner and/or section trim applications
- Expansion port

Applications

- Livestock scales, tank and vessel weighing

Specifications

Cable Fittings:

Four nylon cable strain reliefs,
0.079 to 0.236 in
Two nylon cable strain reliefs,
0.236 to 0.354 in

Rating/Material:

NEMA Type 4X, 40 psi washdown
Fiberglass Reinforced Polyester (FRP)

Connectors:

Electrovert 0.197 in (5.0 mm) miniature
screw terminals
Maximum wire size #14 AWG

Trimming:

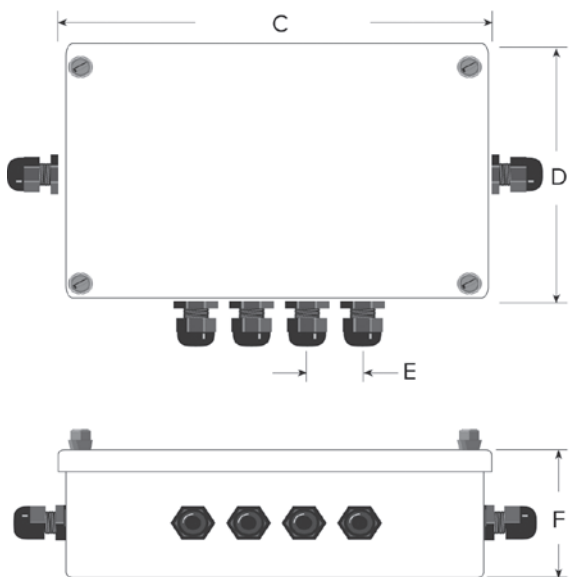
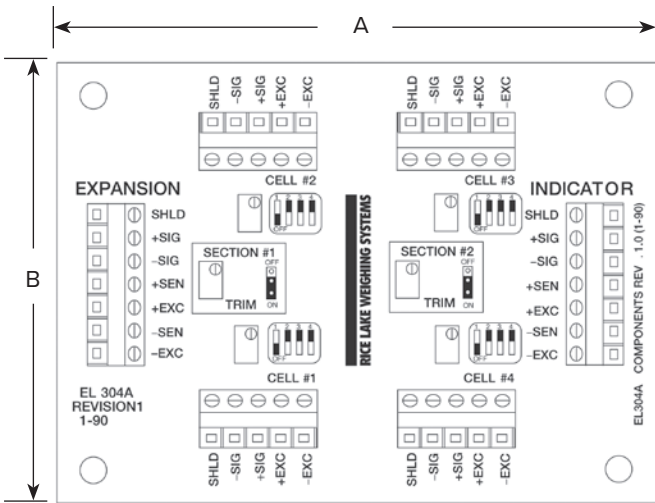
Individual cell and section, signal trim

Potentiometers:

100,000 ohm, 25-turn cermet

Warranty:

One-year limited



JUNCTION BOXES /
SIMULATORS



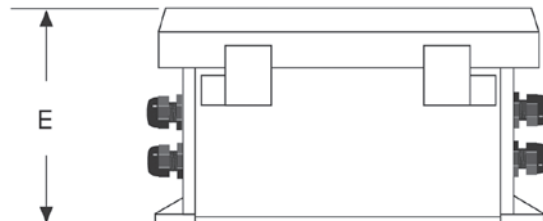
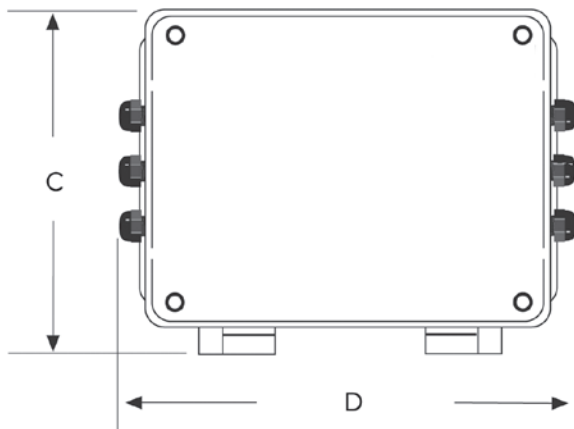
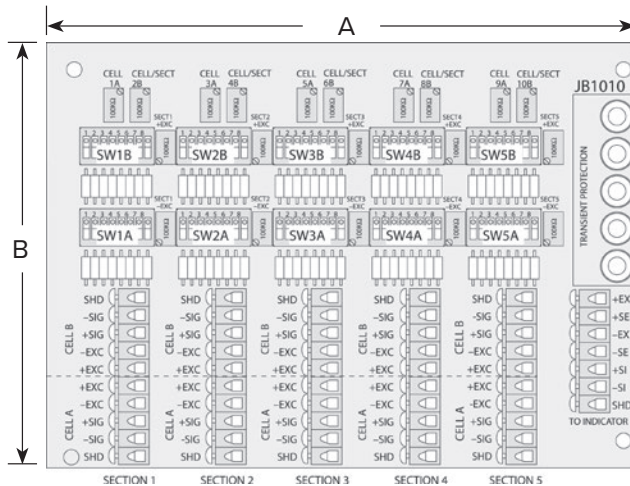
Part Number/Price

Part #	Description	Price
36231	JB1010 signal/excitation trim junction box	\$685.00
36351	Board only	\$475.00
165276	Enclosure only (includes cord grips)	\$275.00

Note: Do not mix junction box models or use other brands of junction boxes with Rice Lake junction boxes. There is a risk of system instability.

Dimensions

JB1010T	
A	6.75 in
B	4.75 in
C	7.88 in
D	10.75 in
E	5.00 in



Standard Features

- Transient protection
- Signal or excitation trim
- Front panel mounting
- Strain relief cable fittings
- Connect up to 10 single load cells
- Trims odd numbers of cells without modification

Applications

- Tank, truck, railroad, hopper and floor scales
- Universal field replacement of existing boxes
- Expansion of existing scales

Specifications

Cable Fittings:

Nylon waterproof strain-relief type

Rating/Material:

NEMA Type 4X

Fiberglass Reinforced Polyester (FRP)

Terminal Block:

Rated 300V/15A;

7-position screw terminal can each accommodate up to #16 AWG

Trimming:

Individual cell, section signal and excitation trim

Temperature:

Operating:

0 °F to 122 °F (-18 °C to 50 °C)

Potentiometers:

100,000 ohm, 25-turns cermet

Mounting Centers:

3.75 × 2.31 in (95.2 × 58.7 mm)

Cable Diameter:

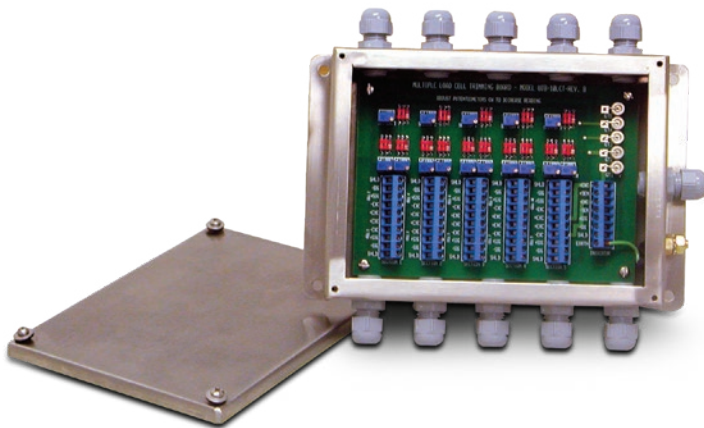
0.079 to 0.314 in

Warranty:

One-year limited

JB1010ST

Signal Trim Junction Box



Standard Features

- Transient protection using gas discharge tubes
- Stainless steel, NEMA Type 4X enclosure
- Section and individual cell trim capability
- Compact enclosure only 1.75 in deep
- Strain relief cable fitting
- Connect two, four, six, eight or 10 single load cells (even number of load cells only)
- Legal for Trade sealing screws, wire and seal included

Applications

- Tank, truck and railroad scales
- Summing 10 load cells with individual and section trimming capability

Specifications

Cable Fittings:

Eleven nylon 0.079 to 0.314 in cable strain reliefs

Rating/Material:

NEMA Type 4X
Stainless steel

Connectors:

Electrovert 0.197 miniature screw terminals
Five positions
Maximum wire size: #14 AWG
External enclosure ground stud

Trimming:

Individual cell and section signal trim

Temperature:

Operating:
0 °F to 122 °F (-18 °C to 50 °C)

Potentiometers:

100,000 ohm, 25-turn cermet, individual trim
100 ohm, for section trimming

Warranty:

One-year limited

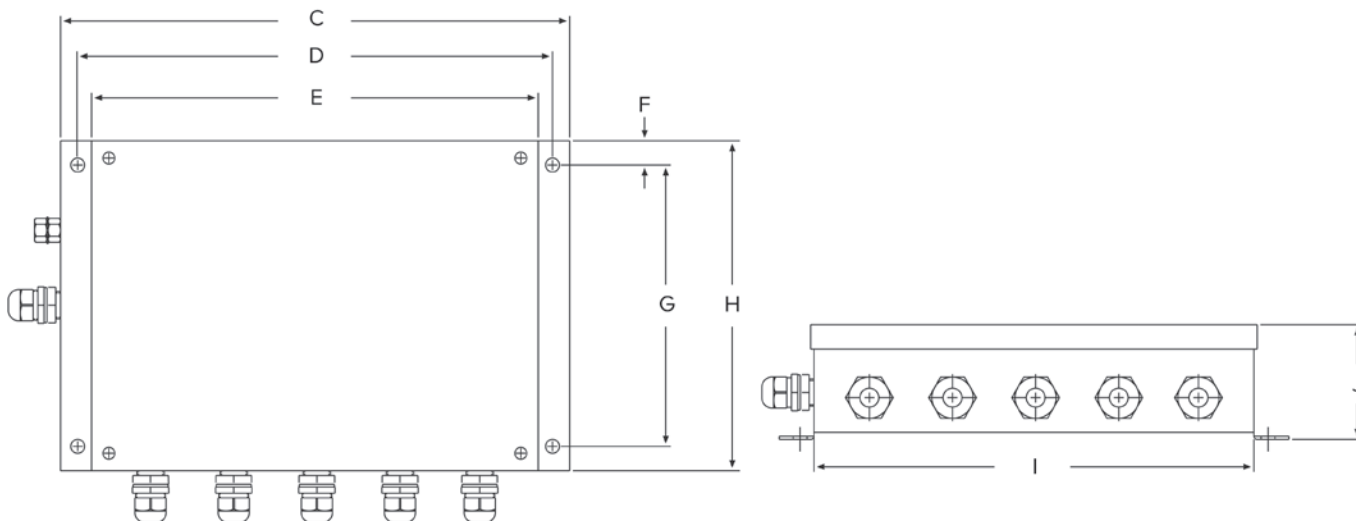
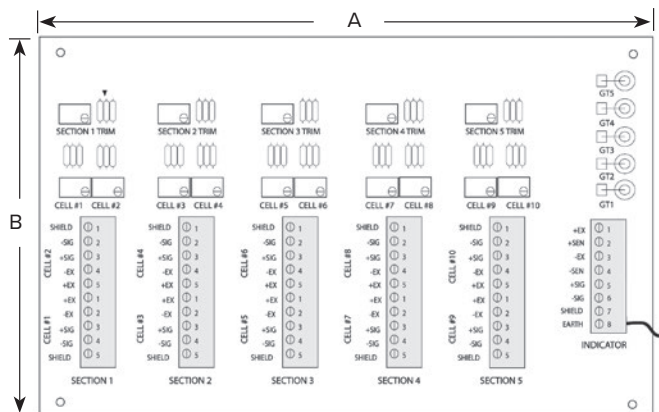
Part Number/Price

Part #	Description	Price
68813	JB1010ST signal trim junction box	\$615.00
68811	Board only	\$465.00
165277	Enclosure only (includes cord grips)	\$485.00

Note: Do not mix junction box models or use other brands of junction boxes with Rice Lake junction boxes. There is a risk of system instability. Any unused channels require modification.

Dimensions

JB1010ST	
A	6.75 in
B	4.75 in
C	9.19 in
D	8.58 in
E	8.06 in
F	0.44 in
G	5.19 in
H	5.94 in
I	7.94 in
J	2.06 in



Replacement Junction Boxes, Boards or Components

Model	Complete J-Box Replacement	Replacement Board Only	Replacement Cord Grips	Replacement Pressure & Condensation Vent	Desiccant Pack
JB4SS	88956 \$295.00	88958 \$175.00	58983 =PG7, \$5.00 59001 =PG11 \$3.70	88733 PreVent™ breather (vent) \$22.00 88734 (vent nut) \$1.05	92240 \$1.20
JB4ES	91779 \$295.00	89446 \$170.00	58983 =PG7, \$5.00 59001 =PG11 \$3.70	88733 PreVent™ breather (vent) \$22.00 88734 (vent nut) \$1.05	92240 \$1.20
JB4SP JB4SPT	91780 \$310.00 92762 \$495.00	88958 (load cell) \$175.00 & 89894 (transient protection) \$235.00	58983 =PG7, \$5.00 59001 =PG11 \$3.70	88733 PreVent™ breather (vent) \$22.00 88734 (vent nut) \$1.05	16039 \$2.30
JB4EP JB4EPT	91781 \$310.00 92763 \$495.00	89446 (load cell) \$170.00 & 89894 (transient protection) \$235.00	58983 =PG7, \$5.00 59001 =PG11 \$3.70	88733 PreVent™ breather (vent) \$22.00 88734 (vent nut) \$1.05	16039 \$2.30
EL204	73428 \$245.00	88958 \$175.00	N/A	N/A	N/A
JB8SP	91782 \$495.00 173807 FM approved \$525.00	89889 \$395.00 172415 FM approved \$425.00	15655 (cord grip) \$2.10 & 15656 (nut) \$1.05 =3/8 in NPT 15628 (cord grip) \$5.00 & 15630 (nut) \$3.00 =1/2 in NPT	88733 PreVent™ breather (vent) \$22.00 88734 (vent nut) \$1.05	16039 \$2.30
JB8SPT	91783 \$700.00	89889 (load cell) \$395.00 & 89894 (transient protection) \$235.00	15655 (cord grip) \$2.10 & 15656 (nut) \$1.05 =3/8 in NPT 15628 (cord grip) \$5.00 & 15630 (nut) \$3.00 =1/2 in NPT	88733 PreVent™ breather (vent) \$22.00 88734 (vent nut) \$1.05	16039 \$2.30
EL304A	21169 \$350.00	21301 \$235.00	N/A	N/A	N/A
JB1010	36231 \$685.00	36351 \$475.00	N/A	N/A	N/A
JB1010ST	68813 \$615.00	68811 \$465.00	N/A	N/A	N/A
EL210	91781 , JB4EP* \$310.00	92472 \$155.00	58983 =PG7, \$5.00 59001 =PG11 \$3.70	N/A	N/A
EL211A	91780 , JB4SP* \$310.00 (However the board does not have section trim capabilities)	92473 , \$160.00 (However the board does not have section trim capabilities)	58983 =PG7, \$5.00 59001 =PG11 \$3.70	N/A	N/A
EL604-AL	88956 , JB4SS* \$295.00	88958 \$175.00	58983 =PG7, \$5.00 59001 =PG11 \$3.70	N/A	N/A
EL604STA	88956 , JB4SS* \$295.00	88958 \$175.00	58983 =PG7, \$5.00 59001 =PG11 \$3.70	N/A	N/A
EL604ETA	91779 , JB4ES* \$295.00	89446 \$170.00	58983 =PG7, \$5.00 59001 =PG11 \$3.70	N/A	N/A
EL504	21165 \$425.00	21296 \$275.00	N/A	N/A	N/A
JB808S	91782 , JB8SP* \$495.00	92471 \$385.00	15655 (cord grip) \$2.10 & 15656 (nut) \$1.05 =3/8 in NPT 15628 (cord grip) \$5.00 & 15630 (nut) \$3.00 =1/2 in NPT	N/A	N/A
JB818ST	91783 , JB8SPT* \$700.00	Need (1) 77445 \$68.00 (1) 89889 \$395.00, & (1) 89894 \$235.00	15655 (cord grip) \$2.10 & 15656 (nut) \$1.05 =3/8 in NPT 15628 (cord grip) \$5.00 & 15630 (nut) \$3.00 =1/2 in NPT	N/A	N/A

*See catalog pages for enclosure dimensions

JUNCTION BOXES /
SIMULATORS



Specifications

Voltage Input:

115/230 VAC power supply
DC/DC converter for 9 to 36 V
6 to 12 VDC to CPU

Analog Signal Input Range:

-78 to +78 mV

Analog Signal Sensitivity:

0.3 uV/grad at 30 Hz
0.5 uV/grad at 100 Hz
1.2 uV/grad at 500 Hz

A/D Sampling Rate:

2.5 to 500 Hz (selectable)

Digital I/O:

Four per card, for push-button operation,
setpoint control or cell status

Communication Ports:

RS-232/RS-422

Load Cell Inputs:

Four channels per board
up to four networked boards

Load Cell Excitation:

5 V DC, 57 mA maximum per channel

Rating/Material:

Polycarbonate (NEMA Type 4X) enclosure with
overlapping solid cover, stainless steel screws
Stainless steel (NEMA Type 4X) enclosure
with hinged cover

Temperature:

Certified: 14 °F to 104 °F (-10 °C to 40 °C)
Operating: -13 °F to 140 °F (-25 °C to 60 °C)

Warranty:

Two-year limited

Approvals:

NTEP 03-032A1
Measurement Canada AM-5561
CE Marked
cULus E151461

Approvals



Measurement
Canada
Approved



Standard Features

- iQUBE² board has four A/D channels
- Supports networking up to four boards, for 16 A/D channels; connection can be up to four separate platforms with a system total, or four separate scale systems
- Diagnostic routines for weighing errors and system health
- Cell tests for overloaded, underloaded, zero reference, drift, noise and unbalanced conditions
- Onboard status LEDs for communication and visual bi-color indication of cell health
- Cell emulator compensates for load cell failure until a repair can be made
- Cal-Match[®] algorithm automatically trims and calibrates the scale in one pass of test weights (stopping over each mount)
- Standard communications
- Option card slot for fiber optic, Ethernet TCP/IP, wireless TCP/IP, USB or RS-232/RS-485
- Communicates to 920i[®], 1280, VIRTUj²[®] using ASCII (EDP) serial commands

Applications

- Truck, railroad, tank and hopper scales
- Multi-channel scales

Part Number/Price

Part #	Description	Est. Weight	Price
With AC Power Supply			
108425*	iQUBE ² , four-channel, polycarbonate small junction box	9 lb	\$1,365.00
108426	iQUBE ² , four-channel, polycarbonate large junction box	11 lb	\$1,575.00
108427	iQUBE ² , eight-channel, polycarbonate large junction box	11 lb	\$2,625.00
108428*	iQUBE ² , four-channel, stainless steel small junction box	13 lb	\$2,573.00
Without Power Supply			
108429*	iQUBE ² , four-channel, polycarbonate small junction box	8 lb	\$1,260.00
108430	iQUBE ² , four-channel, polycarbonate large junction box	10 lb	\$1,470.00
108431	iQUBE ² , eight-channel, polycarbonate large junction box	10 lb	\$2,520.00
108432*	iQUBE ² , four-channel, stainless steel small junction box	12 lb	\$2,468.00
Conduit Adapters			
92734	Conduit adapter 3/8 in NPT to 3/4 in NPT		\$27.00
92735	Conduit adapter 1/2 in NPT to 3/4 in NPT		\$27.00

* Enclosure size 8 x 10 in required for truck scale junction box pocket

Options/Accessories

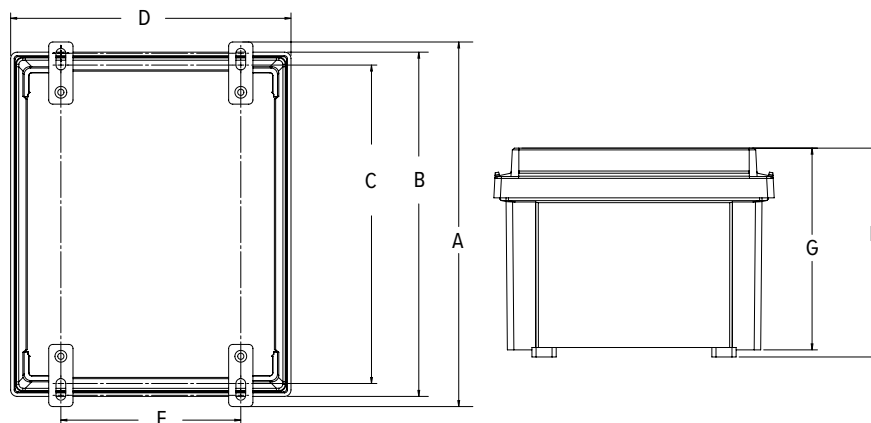
Part #	Description	Price
108433	Four-channel iQUBE ² board with cables and connectors	\$1,050.00
97475	DC/DC power supply, 9 to 36 VDC (requires factory installation)	\$255.00
108434	Remote power supply 115/230 VAC and transient board with enclosure	\$473.00
109396	Transient board	\$95.00
110949	Transient board with mount	\$116.00
161954	Hotspot in polycarbonate enclosure	\$3,195.00
215178	Mounting tabs-new style (set of 4, includes screws), polycarbonate	\$15.00

Options/Accessories

Part #	Description	Price
Communication Card		
108579	RS-232/RS-485 port	\$300.00
77142	Ethernet TCP/IP	\$545.00
206272	Wireless LAN 802.11 A/B	\$610.00
93245	USB port	\$225.00
77143	Fiber-optic board	\$231.00
77788	Fiber-optic board (installed in 920i)	\$235.00
Duplex Fiber (Max Run 350 ft)		
78026	Fiber-optic cable, 100 ft	\$185.00
78027	Fiber-optic cable, 200 ft	\$350.00
78910	Fiber-optic cable, custom length	\$1.85/ft
Home Run Cable		
116587	EL166 16 gauge, six conductor, shielded	\$2.65/ft
Software		
108436	VIRTUI ² activation part number	\$578.00
112262	Firmware update flash cable	\$69.00
920i® Indicators for use with iQUBE², requires version 4 software		
77790	920i Universal, 115 VAC, without A/D	\$3,195.00
77791	920i Universal, 230 VAC, without A/D	\$3,195.00
93243	920i Deep Universal, 115 VAC, without A/D	\$3,445.00
93244	920i Deep Universal, 230 VAC, without A/D	\$3,445.00
77792	920i Panel Mount, 115 VAC, without A/D	\$3,195.00
77793	920i Panel Mount, 230 VAC, without A/D	\$3,195.00
77794	920i Wall Mount, 115 VAC, without A/D	\$4,095.00
77795	920i Wall Mount, 230 VAC, without A/D	\$4,095.00
1280 Indicators for use with iQUBE²		
189623	1280 7 inch touch-only, AC power supply, no power cord, standard display, without A/D	\$3,180.00
188526	1280 7 inch touch-only, AC power supply, no power cord, high visibility display, without A/D	\$3,280.00
188395	1280 12 inch touch-only, AC power supply, no power cord, high visibility display, without A/D	\$4,345.00
181073	1280 Panel Mount, DC power supply, no power cord, standard display, without A/D	\$3,180.00
178473	1280 Panel Mount, AC power supply, no power cord, high visibility display, without A/D	\$3,280.00
205677	1280 Wall Mount, AC power supply, U.S. power cord, standard display, without A/D	\$3,780.00
171667	1280 Wall Mount, AC power supply, U.S. power cord, high visibility display, without A/D	\$3,880.00
174750	1280 Panel Mount, AC power supply, no power cord, standard display, without A/D	\$3,180.00
174207	1280 Universal, AC power supply, Europe power cord, standard display, without A/D	\$3,380.00
171582	1280 Universal, AC power supply, U.S. power cord, standard display, without A/D	\$3,380.00
188713	1280 Universal, DC power supply, no power cord, standard display, without A/D	\$3,380.00
171540	1280 Universal, DC power supply, no power cord, high visibility display, without A/D	\$3,480.00
172419	1280 Universal, AC power supply, U.S. power cord, high visibility display, without A/D	\$3,480.00

Dimensions

iQUBE²			
Stainless Steel			
A	13.50 in (343 mm)	E	8.00 in (203 mm)
B	12.28 in (312 mm)	F	6.29 in (160 mm)
C	12.75 in (324 mm)	G	6.20 in (157 mm)
D	10.28 in (261 mm)		
Polycarbonate Small			
A	12.13 in (308 mm)	E	5.98 in (152 mm)
B	11.45 in (291 mm)	F	6.95 in (176 mm)
C	10.51 to 11.30 in (267 to 287 mm)	G	6.71 in (170 mm)
D	9.32 in (236.84 mm)		
Polycarbonate Large			
A	14.13 in (359 mm)	E	7.99 in (203 mm)
B	13.46 in (341 mm)	F	7.02 in (178 mm)
C	12.52 to 13.31 in (318 to 338 mm)	G	6.79 in (172 mm)
D	11.36 in (289 mm)		





Approvals



Measurement
Canada
Approved



Standard Features

- iQUBE³ CPU board: Four A/D channels, SD Slot, RS232/485, four DI/Os, Ethernet TCP/IP (wired), USB-C
- iQUBE³ CPU board supports networking up to four iQUBE³ four-channel boards (four A/D channels each), for a total of 24 A/D channels; connection can be up to four separate scales and a system total
- Diagnostic routines for weighing errors and system health
- Additional diagnostics for overloaded, underloaded, zero reference, drift, noise and unbalanced conditions
- Onboard status LEDs for communication and visual bi-color indication of cell health
- Cell emulator compensates for a failed load cell
- Cal-Match[®] algorithm automatically trims and calibrates the scale in one pass of test weights (stopping over each mount)
- Standard communications
- Two option card slots for fiber optic, analog output (16-bit, 0 to 10 VDC, 0 to 20 mA, 4 to 20 mA), relay or Serial (two RS-232 or RS-422/485)
- Communicates to 1280

Applications

- 1280 indicator
- Truck and railroad scales
- Tank and hopper scales
- Multi-channel scales

Specifications

Voltage Input:

AC voltage: 100 to 240 VAC; 50/60 Hz
DC voltage: 9 to 36 VDC

Analog Signal Input Range:

-51 to +51 mV

Analog Signal Sensitivity:

0.3 uV/grad at 30 Hz
0.5 uV/grad at 100 Hz
1.2 uV/grad at 500 Hz

A/D Sampling Rate:

2.5 to 500 Hz (selectable)

Digital I/O:

Four per card, for push-button operation, setpoint control or cell status

Communication Ports:

RS-232/RS-422/485
USB-C
Ethernet TCP/IP, wired

Load Cell Inputs:

Connect up to 24 load cells (four, per board)

Load Cell Excitation:

3.3 VDC, 38 mA maximum per channel

Rating/Material:

Polycarbonate (NEMA Type 4X) enclosure with overlapping solid cover, stainless steel screws
Stainless steel (NEMA Type 4X) enclosure with hinged cover

Temperature:

Certified: 14 °F to 104 °F (-10 °C to 40 °C)
Operating: -40 °F to 140 °F (-40 °C to 60 °C)
Storage: -40 °F to 158 °F (-40 °C to 70 °C)

Warranty:

Two-year limited

Approvals:

NTEP 25-041
Measurement Canada (pending)
cULus (pending)
CE Marked (pending)

Part Number/Price

Part #	Description	Est. Weight	Price
With AC Power Supply			
227157	iQUBE ³ , four-channel, polycarbonate small junction box	9 lb	Consult
227158	iQUBE ³ , four-channel, polycarbonate large junction box	11 lb	Consult
227159	iQUBE ³ , eight-channel, polycarbonate large junction box	11 lb	Consult
227160*	iQUBE ³ , four-channel, stainless steel small junction box	13 lb	Consult
Without Power Supply			
227161	iQUBE ³ , four-channel, polycarbonate small junction box	8 lb	Consult
227162	iQUBE ³ , four-channel, polycarbonate large junction box	10 lb	Consult
227163	iQUBE ³ , eight-channel, polycarbonate large junction box	10 lb	Consult
227164*	iQUBE ³ , four-channel, stainless steel small junction box	12 lb	Consult
Conduit Adapters			
92734	Conduit adapter 1/2 in NPT to 3/4 in NPT		\$27.00
92735	Conduit adapter 3/8 in NPT to 3/4 in NPT		\$27.00

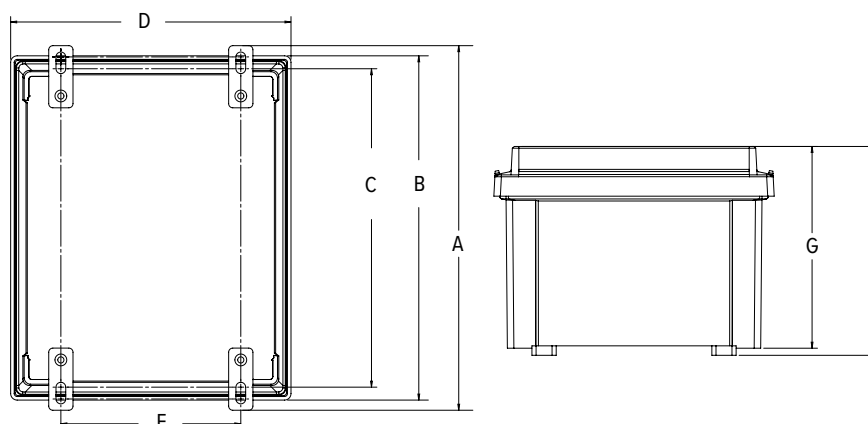
*Small iQUBE³ required for truck scale junction box pocket.

Options/Accessories

Part #	Description	Price
231373	iQUBE ³ CPU Board, Four-channel with cables and connectors	Consult
227169	iQUBE ³ 4-Channel Board, Four-channel with cables and connection	Consult
227171	Power Supply, 115/230VAC Input, 24VDC Output, FRP Enclosure, iQUBE ³ Remote Power	Consult
230935	Bridge Resistance Card Assembly, 4-channel	Consult
97475	DC/DC power supply, 9 to 36 VDC (requires factory installation)	\$255.00
108434	Remote power supply 115/230 VAC and transient board with enclosure	\$473.00
109396	Transient board	\$95.00
110949	Transient board with mount (only used with multiple enclosures)	\$116.00
231993	iQUBE ³ Enclosure, Small, Polycarbonate, Includes Kickstand Bracket	Consult
231994	iQUBE ³ Enclosure, Large, Polycarbonate, Includes Kickstand Bracket	Consult
231995	iQUBE ³ Enclosure, Stainless Steel	Consult
215178	Enclosure mounting tabs-new style (set of 4, includes screws), polycarbonate	\$15.00
195084	Analog card, kit	\$360.00
211709	Relay card, kit	\$360.00
Communication Card		
211710	Dual Serial Card (RS232 and/or RS422/485), option	\$300.00
230919	Fiber-optic Card Assembly	\$545.00
231366	Wireless LAN 802.11 A/B (Note: Factory installed, must be ordered at the time of new iQUBE ³)	Consult
Duplex Fiber (Max Run 500 ft)		
78026	Fiber-optic cable, 100 ft (includes polishing kit)	\$185.00
78027	Fiber-optic cable, 200 ft (includes polishing kit)	\$350.00
78910	Fiber-optic cable, duplex 1.00 mm core 2.2 mm, custom length	\$1.85/ft
1280 Indicators for use with iQUBE³		
189623	1280 7 inch touch-only, AC power supply, no power cord, standard display, without A/D	\$3,180.00
188526	1280 7 inch touch-only, AC power supply, no power cord, high visibility display, without A/D	\$3,280.00
188395	1280 12 inch touch-only, AC power supply, no power cord, high visibility display, without A/D	\$4,345.00
181073	1280 Panel Mount, DC power supply, no power cord, standard display, without A/D	\$3,180.00
178473	1280 Panel Mount, AC power supply, no power cord, high visibility display, without A/D	\$3,280.00
205677	1280 Wall Mount, AC power supply, U.S. power cord, standard display, without A/D	\$3,780.00
171667	1280 Wall Mount, AC power supply, U.S. power cord, high visibility display, without A/D	\$3,880.00
174750	1280 Panel Mount, AC power supply, no power cord, standard display, without A/D	\$3,180.00
174207	1280 Universal, AC power supply, Europe power cord, standard display, without A/D	\$3,380.00
171582	1280 Universal, AC power supply, U.S. power cord, standard display, without A/D	\$3,380.00
188713	1280 Universal, DC power supply, no power cord, standard display, without A/D	\$3,380.00
171540	1280 Universal, DC power supply, no power cord, high visibility display, without A/D	\$3,480.00
172419	1280 Universal, AC power supply, U.S. power cord, high visibility display, without A/D	\$3,480.00

Dimensions

iQUBE³			
Stainless Steel			
A	13.50 in (343 mm)	E	8.00 in (203 mm)
B	12.28 in (312 mm)	F	6.29 in (160 mm)
C	12.75 in (324 mm)	G	6.20 in (157 mm)
D	10.28 in (261 mm)		
Polycarbonate Small			
A	12.13 in (308 mm)	E	5.98 in (152 mm)
B	11.45 in (291 mm)	F	6.95 in (176 mm)
C	10.51 to 11.30 in (267 to 287 mm)	G	6.71 in (170 mm)
D	9.32 in (236.84 mm)		
Polycarbonate Large			
A	14.13 in (359 mm)	E	7.99 in (203 mm)
B	13.46 in (341 mm)	F	7.02 in (178 mm)
C	12.52 to 13.31 in (318 to 338 mm)	G	6.79 in (172 mm)
D	11.36 in (289 mm)		



EL168

1-Cell Junction Splice Box

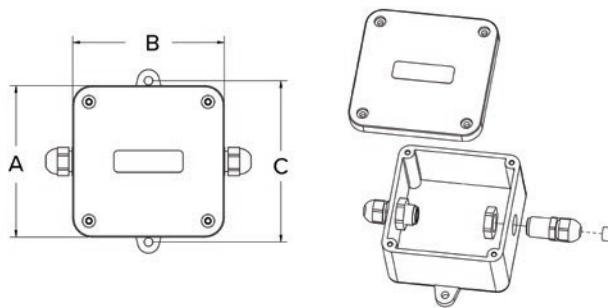


Part Number/Price

Part #	Description	Price
21161	EL168 one-cell junction box	\$85.00

Dimensions

EL168	
A	4.38 in (111 mm)
B	4.38 in (111 mm)
C	4.66 in (118 mm)



Standard Features

- Non-metallic PVC enclosure with separate input and output cable fittings
- No soldering, compression or swaged fittings are required

Applications

- Splicing or extending load cell cable

Specifications

Dimensions:

(L × W × H)
4.0 × 4.0 × 2.5 in

Temperature:

Operating:
0 °F to 122 °F (-18 °C to 50 °C)

Cable Fittings:

Nylon waterproof strain-relief type

Cable Diameter:

0.079 to 0.314 in (2 to 8 mm)

Terminal Block:

Rated 300 V/15 A; seven-position, screw terminal can each accommodate up to #16 AWG

Warranty:

One-year limited

TP75 DC

Transient Protection



Standard Features

- Protects load cells and indicators from voltage transients
- Avalanche diode design
- Full six-wire with shield protection
- NEMA Type 4X enclosure
- Unlimited number of parallel load cells; up to eight in series
- Terminal lugs provided

Part Number/Price

Part #	Description	Price
33185	TP75 DC transient protection	\$340.00

Options/Accessories

Part #	Description	Price
31164	Circuit board only	\$265.00

Applications

- Truck, railroad, tank, bin and hopper scales
- Suitable for outdoor use

Specifications

Protection Type:

Six-wire type with separate shield

Maximum Excitation Voltage:

22.8 VDC

Response Time:

Five nanoseconds

Peak Surge Currents:

100 amps

Grounding:

10 AWG wire or larger (not provided)

Cable Fitting:

(2) Nylon strain relief for 0.187 to 0.312 in diameter cable

Enclosure:

Impact-resistant polycarbonate NEMA Type 4X, maximum 40 psi washdown

Temperature:

Operating:
-4 °F to 149 °F (-20 °C to 65 °C)

Dimensions:

(L × W × H)
3.16 × 2.20 × 1.18 in

Warranty:

One-year limited



Standard Features

- Protects load cells from voltage transients
- Compatible with signals down to 1 μ V per grad
- Factory serviceable
- Full six-wire with shield protection
- #6 SEMS screw type; accepts spade lugs, tinned leads or bare wires up to #12 AWG
- Up to eight parallel or summed load cells

Applications

- Installations exposed to significant transients
- Environments where serial communication lines and load cells must be protected

Specifications

- Protection Type:**
Six-wire type with separate shield
- Maximum Excitation Voltage:**
20 VDC or 20 VAC
- Clamping Voltage:**
75 VDC or 75 VAC
- Clamping Time:**
75 VDC Stages <100 nanoseconds typical
- Peak Surge Currents:**
75 VDC Stage, 5,000 amps
- Maximum Serial Transmission Rate:**
50K baud
- Series Resistance:**
0.219 ohm typical
- Series Inductance:**
110 μ H typical
- Grounding:**
20 ft insulated #10 AWG wire
- Cable Fitting:**
(2) Nylon strain relief for 0.079 to 0.236 in diameter cable
- Enclosure:**
NEMA Type 4X, maximum 40 psi washdown
Fiberglass Reinforced Polyester (FRP)
- Temperature:**
Operating:
4 °F to 104 °F (-10 °C to 40 °C)
- Circuit Board:**
6.75 \times 4.75 in with anti-fungal coating
- Dimensions:**
(L \times W \times H)
7.63 \times 6.63 \times 3.25 in
- Warranty:**
One-year limited

Part Number/Price

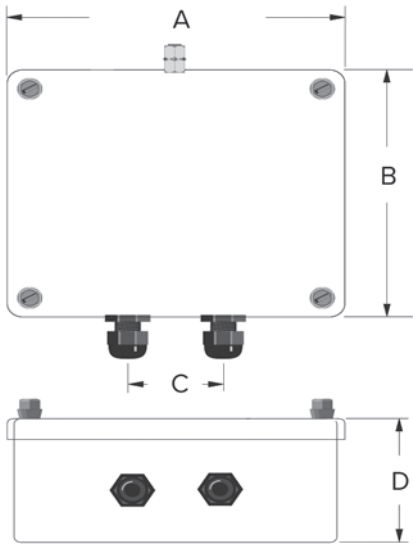
Part #	Description	Price
21134	UJB3T6	\$495.00

Options/Accessories

Part #	Description	Price
21135	Six-wire load cell transient protector, board only	\$285.00

Dimensions

UJB3T6 DC	
A	7.63 in
B	6.63 in
C	2.0 in
D	3.25 in



TP232

RS-232 Serial Surge Protection



Approvals



Part Number/Price

Part #	Description	Price
69201	TP232	\$190.00

Options/Accessories

Part #	Description	Price
17778	12 in ground strap	\$22.00
17781	24 in ground strap	\$22.00
69516	Additional installation manual	\$6.00

Standard Features

- Two metal mounting brackets
- Three stages of protection: Gas discharge tube, series resistor and transient voltage suppressor (TVS)
- Two terminal posts for ground
- RS-232 high energy surge protector
- Terminal blocks for transmit, receive, request to send, clear to send and signal ground
- Safe for use with computers and PLCs
- Also works with RS-485, RS-422 and 20 mA

Applications

- Indicators, remote displays, printers, computers and PLCs

Specifications

Clamping Voltage (Stage One):
72 V DC minimum, 108 V DC maximum

Series Resistance (Stage Two):
2.7 ohm

Clamping Voltage (Stage Three):
14.3 V minimum, 15.7 V maximum

Clamping Time:
< 5×10^{-9} seconds

Temperature:
Operating:
0 °F to 122 °F (-18 °C to 50 °C)

Connectors:
Five-position terminal blocks

Dimensions:
(L × W × H)
Approximately 4.5 × 3.3 × 1.8 in

Warranty:
One-year limited

Approvals:
CE Listed

Ranger 1

Variable Range Simulator



Part Number/Price

Part #	Description	Price
68029	Ranger 1 variable range simulator	\$160.00

Options/Accessories

Part #	Description	Price
21116	Cable (4 ft) with banana plugs	\$70.00

Standard Features

- ABS plastic case, weighs less than 1 lb
- Large vernier knob, smooth 10-turn potentiometer
- Ideal tool for troubleshooting a scale system, bench testing stability of indicators and setpoint simulation

Specifications

Variable Range:
0 to 3 mV/V

Impedance:
700 ohm nominal

Temperature:
Operating:
0 °F to 122 °F (-18 °C to 50 °C)

Connectors:
Binding posts suitable for banana plug or 14 gauge wire

Temperature Coefficient:
±100 ppm/°C

Dimensions:
(L × W × H)
4.5 × 3.5 × 1.25 in
(114 × 89 × 32 mm)

Warranty:
One-year limited

Ranger 3

Variable Range Simulator



Standard Features

- ABS plastic case, weighs less than 1 lb
- Fixed rotary switch, -0.5 mV/V to 4.5 mV/V in nine steps of 0.5 mV/V per step
- Ideal tool for calibrating the indicator A/D offset and gain setting
- A/D calibration steps for -0.5 mV/V for offset and 4.5 mV/V for gain
- Used in troubleshooting and testing systems

Specifications

Range:
-0.5 mV/V to 4.5 mV/V

Impedance:
350 ohm nominal

Nonlinearity:
Less than 0.02%

Connectors:
Binding posts suitable for banana plug or 14-gauge wire

Temperature Coefficient:
±5 ppm/°C

Dimensions:
(L × W × H)
4.5 × 3.5 × 1.25 in

Warranty:
One-year limited

Part Number/Price

Part #	Description	Price
68030	Ranger 3 simulator	\$425.00

Options/Accessories

Part #	Description	Price
21116	Cable (4 ft) with banana plugs	\$70.00

Ranger 5

Variable Range Simulator



Standard Features

- ABS plastic case, weighs less than 1 lb
- Fixed rotary switch, -0.5 mV/V to 4.5 mV/V in nine steps of 0.5 mV/V per step
- 10-turn vernier knob with locking graduated dial
- Vernier selection of four ranges: Off, Fine, Medium and Coarse
- Ideal tool for calibrating indicator A/D offset and gain setting
- A/D calibration steps for -0.5 mV/V for offset and 4.5 mV/V for gain
- Used in testing, troubleshooting and calibrating digital weight indicator

Specifications

Fixed Steps:
-0.5 mV/V to 4.5 mV/V

Vernier:
Variable range: up to 0.5 mV/V, up to 1 mV/V, up to 1.5 mV/V

Impedance:
350 ohm nominal

Nonlinearity:
Less than 0.02%

Connectors:
Binding posts suitable for banana plug or 14 gauge wire

Temperature Coefficient:
± 5 ppm/°C

Dimensions:
(L × W × H)
4.5 × 3.5 × 1.25 in

Warranty:
One-year limited

Part Number/Price

Part #	Description	Price
68031	Ranger 5 simulator	\$695.00

Options/Accessories

Part #	Description	Price
21116	Cable (4 ft) with banana plugs	\$70.00

Ranger 7

Variable Range Simulator



Standard Features

- High resolution design
- Used in high precision testing, troubleshooting and calibrating digital weight indicators
- Switchable offset
- Painted die-cast enclosure

Specifications

Vernier:

Two ranges; one is equal to the sum of the 0.05 mV/V switch and the 0 to 0.5 mV/V switch. The other is the sum of the 0.5 mV/V, 0.1 mV/V and 0.01 mV/V switches.

Load Impedance:

Three settings:
X0.5: 700 ohm
X1: 350 ohm (one standard load cell)
X4: 87.5 ohm (four load cell platform)

Linearity:

± 0.01% + 1µV

Connectors:

Low Thermal Electronics, Type 2758 precision gold plated binding posts, standard banana jacks or 14 AWG wire

Temperature Coefficient:

5 ppm/ °C

Zero Offset:

± 0.0005 mV/V

Output Range:

0 to 3 mV/V in 0.01 mV/V steps

LED Annunciators:

EXC +
EXC -
Offset ON
0.5 mV/V
0.1 mV/V

Warranty:

One-year limited

Part Number/Price

Part #	Description	Price
157323	Ranger 7 high resolution calibration simulator	\$1,050.00

Options/Accessories

Part #	Description	Price
21116	Cable (4 ft) with banana plugs	\$70.00

Transducer Simulator 4



Standard Features

- Designed for high accuracy
- Sealed lid with neoprene O-ring
- Dustproof and crush tested to 500 lb
- Four operational modes include: vernier adjustment, calibrated adjustment, 0.25 mV/V offset and 0.50 mV/V offset
- Ideal for setpoint or batching simulation

Specifications

Range:

Choose any fixed setting ± 0.25 mV or 0.50 mV through a 10-turn wire-wound potentiometer with locking clutch, fixed and variable

Maximum Voltage:

15 V

Linearity:

Less than ± 0.02% full scale

Temperature Coefficient:

Absolute 5 ppm/ °C; tracking less than 0.5 ppm/ °C

Load Factors:

Simulates one, two, three, four or eight 350 ohm load cells; or two, four, six, eight or 16 700 ohm load cells

Offset:

+0.25 mV/V for use with digitally calibrated meters requiring positive dead load for calibration

Connectors:

Binding posts, suitable for loose wires or banana jacks

Warranty:

One-year limited

Part Number/Price

Part #	Description	Price
22513	Transducer simulator 4	\$850.00

Options/Accessories

Part #	Description	Price
21116	Cable (4 ft) with banana plugs	\$70.00

24/7/365

Emergency Support

We know downtime isn't an option. That's why we have on-call support available nights, weekends and holidays.

New Year's Eve?

We'll answer the call.



Thursday at midnight?

We'll answer the call.

**Any time, day or night,
we'll answer the call.**

Live support is always available to provide technical assistance or order replacement parts to keep your customers up and running.

Emergency Contact Information

Call 800-472-6703 and press 1 to reach on-call personnel.



800-472-6703 | prodinfo@ricelake.com
www.ricelake.com

Wiring Guide

Easily verify which wire colors represent excitation, signal, sense and shield lines for a range of load cell brands and models.

MANUFACTURER	MODELS	EXCITATION		SIGNAL		SENSE		SHIELD
		+	-	+	-	+	-	
ARTECH	Standard color code listed, other combinations may be available	● Red	● Black	● Green	○ White	X	X	● Bare
CARDINAL	CB6, SCA, LFB, SB, SP	● Green	● Black	● Red	○ White	X	X	● Bare
	DB, TSP, TB	● Red	● Black	● Green	○ White	X	X	● Bare
	HBB	● Red	● Black	● Green	○ White	● Brown	● Yellow	● Bare
COTI GLOBAL	Standard color code listed, other combinations may be available	● Green	● Black	○ White	● Red	X	X	● Yellow
DILLON	Canister Cell, Tension	● Green	○ White	● Black	● Red	X	X	● Orange
	Compression	○ White	● Green	● Black	● Red	X	X	● Orange
	Z-Cell	● Red	● Black	○ White	● Green	X	X	● Orange
FLINTEC	PC1, PC6, RC1, SB4, SB5, SB6, SB14, SLB, UB1, UB6, SB10, PB, PCB, BK2, RC3, PC3, PA3	● Green	● Black	○ White	● Red	X	X	● Yellow
	PC2, PC7, PC4	● Green	● Black	○ White	● Red	● Blue	● Brown	● Yellow
HBK	BLC, BLF, JRT, PWS, RSC, SBF, SB3, USB, U1T, H35, THC, BBS, PWS	● Green	● Black	○ White	● Red	X	X	● Yellow
	PLC, B35, A35, S35	● Red	● Black	● Green	○ White	X	X	● Yellow
	SP10, PWSM	● Green	● Black	○ White	● Red	● Orange	● Blue	● Yellow
	PW12, PW16, C16A, PW15, Z6, SP4, SP4M	● Blue	● Black	○ White	● Red	● Green	○ Grey	● Bare
	PW15AH	● Blue	● Black	○ White	● Red	● Green	○ Grey	● Yellow
INTERFACE	SSM, 1200, 3200	● Red	● Black	● Green	○ White	X	X	● Bare
	SML, WMC Miniature	● Red	● Black	○ White	● Green	X	X	● Bare
RICE LAKE WEIGHING SYSTEMS	RL20000I, RL20000SS, RL20000ST, RL20001, RL20001HE, RLETS, RL30000I, RL32019S-HE, RL32018, RL32018 MLC Coated, RL32018S, RL32018S-HE, RL30002, RL35023, RL35023S MLC Coated, RL35082, RL35083, RL39123, RL39523, RL50210, RL50225, RL72020, RL72020SS, RL72020 MLC Coated, RL75016SS-W, RL75058-LP, RL75058S-LP, RL50210SS, RL70000, RL75016, RL75016 MLC Coated, RL75016SS, RL75040, RL75058I, RL75060S, RL75223, RL77032, RL77032 MLC Coated, RL77032SS, RL77032SS-HE, RL90000, RLETB, RLHSS, RLMMK4, RL75016WHE, RL60040GST, RL3030, RLS1000, RL70000SS, RL71000HE, RL32218S-HE, RL32018S-P, RL50219SS, RL72019SS, RLDB50000S, RL2200, RL2200SS	● Red	● Black	● Green	○ White	X	X	● Bare
	RLMK15, RLMK21, RL72010MH	● Red	● Black	○ White	● Green	X	X	● Bare
	RLMK1	● Red	● Black	○ White	● Green	X	X	● Orange
	RL1521A, RLFLS, RL32022, RL32022S	● Red	● Black	○ White	● Green	● Yellow	● Blue	● Orange
	RL40BBS, RLBLC, RL82, RL82L, RL82M, RL82MLW, RL82250, RL82250T, RL82S, RL9000TWM, RL9000TWM-HT, RL75114, RLSCA, RLBLP, RL32011WB-L, RL32011WB-T, RL2010, RL32018-T, RL32018S-T	● Green	● Black	○ White	● Red	X	X	● Bare
	RL8C2P1SST, RLCSPI, RL75000SS	● Green	● Black	○ White	● Red	X	X	● Orange
	RL1380, RL1385, RLH35, RL30745, RL70510, RL80453, RLPC6, RLPC3SS	● Green	● Black	○ White	● Red	X	X	● Yellow
	RL1010, RL1040, RL1042, RL1140, RL1250, RL1260, RLPWM12, RLPWM16	● Green	● Black	● Red	○ White	● Blue	● Brown	● Bare
	RLSP4	● Green	● Black	● Red	○ White	● Blue	● Brown	● Yellow
	RLPCB-60, RLPC4SS-HE	● Green	● Black	○ White	● Red	● Blue	● Brown	● Yellow
	RLHBB, RLHTO, RLPWM15HE, RLPWM15	● Blue	● Black	○ White	● Red	● Green	○ Grey	● Bare
	RL9018SS	● Blue	● Black	○ White	● Red	● Green	● Yellow	● Bare
	RL32155	○ White	● Blue	● Green	● Black	● Yellow	● Red	● Orange
	RL42018A, RL1218A, RL260FD, RL26018A, RL82021, RL82025	● Green	● Black	● Red	○ White	● Blue	● Yellow	● Bare
VPG BLH	C2P1, C3P1, T2P1, T3P1	● Green	● Black	○ White	● Red	X	X	● Yellow
VPG CELTRON	PSD, SEB, LCD, CSB, DSR, DSR-HSS, LOC, SQB, SQB-HSS, STC, STC SS, LPS, STC-HSS, CLB, DLB, HTC SS, MBB, MDB, HOC	● Red	● Black	● Green	○ White	X	X	● Bare
VPG REVERE	62U, 63U, 363, 953, 9523, 9363, 92, 93, 42U, 43U, 263D, 462, 5102, 5103, 5123, 5223, 5723, 6762, 9102, 9103, 9123, 9523, 9223, 9803, 9323, 9423	● Red	● Black	● Green	○ White	X	X	● Bare
	392B, 642, 652, 692B, BSP, HPS, HPSM, USP1, 792, 933, ASC, CP, CSP, SHB, SSB	● Green	● Black	○ White	● Red	X	X	● Bare
	RLC	● Pink	○ Grey	● Brown	○ White	X	X	● Bare
VPG SENSORTRONICS	ACB	● Green	● Black	○ White	● Red	● Yellow	● Blue	● Bare
	60001, 60008, 60018, 60030, 60036, 60040, 60048, 60048SS, 60050, 60051, 60060, 60063, 60007, 65016, 65016A, 65016SS, 65016W, 65016WH, 65023A, 65023S, 65023SS, 65024, 65040A, 65040S, 65058A, 65058S, 65061A, 65083, 65083S, 65114	● Red	● Black	● Green	○ White	X	X	● Bare
	60007, 60064	● Green	● Black	○ White	● Red	X	X	● Bare
VPG TEDEA-HUNTLEIGH	65088	● Green	● Black	○ White	● Red	X	X	● Orange
	4158	● Red	● Black	● Green	○ White	X	X	● Bare
	3411, 3421	● Red	● Black	● Green	○ White	● Blue	● Brown	● Bare
	120, 240, 1010, 1015, 1040, 1042, 1140, 1142, 1250, 1260, 1320, 605, 1030, 1240, 1241, 9010, 1130, 1030, 1510, 1260S	● Green	● Black	● Red	○ White	● Blue	● Brown	● Bare
	220, 355, 620, 3510	● Blue	● Black	○ White	● Red	● Green	○ Grey	● Bare
VPG TEDEA-HUNTLEIGH	1263, 380, 1022	● Green	● Black	● Red	○ White	X	X	● Bare

Emergency Contact Information

Call 800-472-6703 and press 1 to reach on-call personnel outside of our normal business hours.

Extended Business Hours

Monday through Friday from 6:30 a.m. to 6:30 p.m.
Saturday from 8:00 a.m. to 12:00 p.m. Central Time



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